

**FINAL  
SOIL VAPOR EVALUATION  
HAZELTINE CORPORATION  
Site Number: 1-52-005**

**Work Assignment No.  
D004436-12**

Prepared for:



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## 1.0 INTRODUCTION

AECOM Technical Services Northeast, Inc. (AECOM, formerly Earth Tech Northeast) has been issued Work Assignment #D004436-12 under the New York State Department of Environmental Conservation (NYSDEC) State Superfund Standby Program (Work Assignment letter; NYSDEC, August 1, 2008). The site under this work assignment is Hazeltine Corporation (Site # 152005). The location of the site is shown on Figure 1.

The specific objective of this field effort was to determine if soil vapors from historical contamination are present at elevated levels. In April 2010, sub-slab soil vapor, soil vapor, indoor air and outdoor air samples were collected. In addition field screening was performed and soil samples were collected. This draft soil vapor evaluation report outlines the specific activities completed by AECOM. It identifies and details the methods, procedures, results, and conclusions of those activities. The report has been prepared in general accordance with the provisions of the Project Work Plan prepared by AECOM (February, 2008). The work was performed in accordance with NYSDEC Division of Environmental Remediation Draft DER-10 Technical Guidance for Site Investigation and Remediation, December 2002.

## 1.1 Site Description

Information on the location, history, previous investigations, and Site geology are provided in the subsections below.

### 1.1.1 General/Location

The Hazeltine Corporation Site (herein identified as the “Site”) is located southeast of the intersection of Cuba Hill Road and Railroad Street in Greenlawn, Suffolk County, New York (Figure 1). The facility covers approximately 23 acres, and is comprised of two parcels of property separated by a public right-of-way. There are five main buildings (1 through 5). Building 1 is located on the southwest side of Cuba Hill Road and Buildings 2 through 5 are located on the northeast side of Cuba Hill Road. The area near the buildings is paved and the remainder of the land is unpaved or covered by grass. The facility is located in a commercial/residential area.

### 1.1.2 Operational/Disposal History

The Site was owned by Republic Aviation during the 1940s, which manufactured metal tubing and electrical harnesses for military aircraft within Building 2. Hazeltine Corporation obtained the property in 1957 and fabricated sheet metal, machine parts, and electronic systems. Building 3 through 5 were added between 1960 and 1962. Building 1 was constructed in 1971. The table below summarizes the operations in each of the buildings.

| Building | Historical Operations                                                        |
|----------|------------------------------------------------------------------------------|
| 1        | Offices, assembly operations, photographic and microelectronics laboratories |
| 2        | Offices, plating, metal finishing, painting, deburring                       |
| 3        | Offices, photographic laboratories, environmental test chambers              |
| 4        | Offices, assembly operations, QA/QC, painting                                |
| 5        | Offices, assembly operations, microelectronics laboratory                    |

Hazeltine was acquired by the Emerson Electric Company in 1986 and in 1990 became part of ESCO Electronics Corporation. In 1996, Hazeltine was acquired from by GEC-Marconi Electronic Systems Corp., and renamed GEC-Marconi Hazeltine. In 1999 GEC-Marconi and British Aerospace merged to form BAE Systems. BAE Systems is the current owner and operator of the site. The property is zoned I-4 light industry. BAE Systems has various defense contracts for radar equipment, radio and television communication equipment, communications security equipment and components, and others. Due to the sensitive nature of the contracts the exact operations at the site were not disclosed. Samples were collected within Building 2 which is currently used for manufacturing and office related purposes.

### **1.1.3 Previous Investigations and Remedial History**

A sludge holding tank was punctured in April 1979 and its entire content of 2,500 gallons were released to the subsurface. The contents of the tank were residues from wastewater treatment and spent plating bath concentrates. The same wastes were also disposed in the recharge basins between 1958 and July 1978. State discharge elimination system violations for chlorinated compounds were also noted for the Site.

A Phase I investigation was conducted by Hazeltine Corp. under a consent order with the NYSDEC Division of Water (DOW) oversight. DOW has determined that no remediation of subsoil or groundwater was required in relation to the holding tank rupture. A leaking underground storage tank was removed from the Site in 1990 by the responsible party. In October 1990, soil samples were taken from under the floor of the Alodine Room in Building 2 where metal finishing operations were performed and detected elevated levels of PCE (up to 23 parts per million [ppm]). In 1992, elevated levels of solvents were detected in groundwater. In March 1994, the Site was classified as a Class 2 Site. Low levels of these solvents were detected in groundwater downgradient of these areas. The Site was reclassified as a Class 4 Site in May 1995 and was subsequently delisted from the registry in September 1997.

### **1.1.4 Site Geology and Hydrogeology**

Previous reports indicate that subsurface materials at the Site consist primarily of sand to an approximately depth of 170 feet below ground surface (ft bgs) with a discontinuous clay layer at approximately 90 ft bgs located beneath the eastern portion of the Site.

Based on the documented groundwater measurements, the depth to groundwater was approximately 160 ft bgs and the groundwater flow direction is towards the northwest. A perched groundwater zone was encountered at approximately 90 ft bgs where the clay layer was encountered.

## **2.0 FIELD INVESTIGATION**

The field investigation, conducted from March 31 to April 1, 2010, consisted of soil gas sampling, sub-slab soil gas sampling, indoor and outdoor air sampling and soil sampling. Prior to beginning on-site investigations, New York DIG SAFE CALL CENTER was contacted to obtain utility clearance for the soil gas points and a geophysical survey was conducted at the locations of all sample points by a subcontractor (Hager Richter Geosciences Inc.). SG-1 was originally proposed on-site and was moved off-site to the north of the Site along Railroad Street at the direction of the NYSDEC.



Aztech Technologies, Inc. (Aztech) installed six temporary soil gas sample locations on March 31, 2010. Soil gas samples were collected from the six locations on April 1, 2010. In addition, two sub-slab soil vapor samples, one indoor air sample and one outdoor air sample were collected. Soil samples were selected for volatile organic compound (VOC) analysis based on elevated PID readings during the installations of soil gas point SG-2 and sub-slab sample SS-2. A soil sample could not be collected from sub-slab sample SS-1 due to the presence of gravel. Laboratory analyses were conducted by Chemtech.

The soil gas sample and air sample locations were surveyed with a hand-held global positioning system (GPS) unit. Field logs and notes for the field activities are provided in Appendix A. The photo log for the field activities is provided in Appendix B.

## **2.1 Soil Gas and Ambient Air Sampling**

As instructed by NYSDEC, on April 1, 2010 AECOM collected soil gas samples from five on-site locations (SG-2 through SG-6), one off-site location (SG-1), two sub-slab samples (SS-1 and SS-2), with one indoor air sampling (IA-1) in the building on-site and one on-site outdoor ambient air sample (OA-1), shown in Figure 2. Temporary soil gas sample probes were installed to a depth of approximately 8 ft bgs by Aztech using a Geoprobe rig. All the temporary soil gas boreholes had glass beads placed from the bottom of the borehole to at least 6 inches above the probe. A bentonite slurry/seal was placed above the glass beads to the ground surface. Sufficient time was provided for the bentonite to set up prior to purging and sampling. Soil vapor construction logs are provided in Appendix A.

A tracer gas (helium) was used to verify the integrity of the bentonite seal at the soil gas points in accordance with NYSDOH (2006) requirements. Approximately two to three probe volumes were purged through the ¼-inch Teflon tubing connected to the stainless steel screen at a flow rate less than 0.2 liters per minute using a SKC Model 222-3 pump. PID readings were observed during pumping. The air sampling pump was disconnected and the end of the tubing was connected directly to the summa canister intake valve. Each summa canister was checked to verify that the initial vacuum was 28 inches of mercury (-28" Hg), ±2" Hg, before sampling. At sample location SG-2, a blind field duplicate sample was collected by splitting the main sampling line with a T-connector.

AECOM collected two sub-slab samples within the former Alodine Room. SS-1 was located near the historical PCE detection of 23 ppm and SS-2 was located near the degreaser. An electric drill was used to advance a boring to a depth of no more than 2 inches beneath the basement flooring/foundation slab. Temporary probes were constructed with inert Teflon lined tubing. Glass beads were placed around the probe, up to the slab. The annular space between the drilled hole and the ¼" sample tubing was filled with modeling clay and the sampling probe sealed to the floor with beeswax, a non-VOC-containing and non-shrinking product. Three volumes (i.e., the volume of the sample probe and tube) were purged prior to collecting the samples by connecting the tube to a SKC Model 222-3 pump and a tedlar bag. After purging, the end of the tubing was connected to the summa canister's regulator intake valves. At sample location SS-1, the consultant for BAE systems collected a split duplicate sample by splitting the main sampling line with a T-connector. At the completion of the sampling, the borehole was patched to restore the area to its pre-sample condition. Appendix A contains the field information collected during sampling. The indoor air sample was placed in the center of the two sub-slab samples in the breathing zone. The consultant for BAE systems collected a split indoor air sample in the same location. The outdoor air samples were collected up wind of the sampling locations on the north side of the site. A tank containing isopropanol was removed from the room prior to sampling. An indoor air sampling questionnaire is provided in Appendix A.

The soil vapor samples were collected using 6-liter summa canisters equipped with 2-hour flow controller valves pre-calibrated at the laboratory. The sub-slab vapor, indoor air and outdoor air samples were collected using 6-liter summa canisters equipped with 8-hour flow controller valves pre-calibrated at the

laboratory. All soil gas, sub-slab, and air samples were sent to Chemtech, a NYSDOH Environmental Laboratory Approval Program (NY ELAP ID 11376) laboratory in Mountainside, New Jersey. Proper chain-of-custody (COC) procedures were maintained throughout the sampling event. The samples were analyzed for VOCs by USEPA Method TO-15 with a typical default detection limit of 1.0 µg/m<sup>3</sup> (0.25 µg/m<sup>3</sup> for TCE); however, some samples required dilution (resulting in elevated detection limits) due to the presence of high concentrations of target compounds. The summa canisters were individually certified clean by the laboratory for the sub-slab and indoor air samples. The summa canisters were batch certified clean by the laboratory for the soil vapor samples. Site-specific quality control (QC) measures included the submission of a field duplicate pair (co-located sample) which was collected from SG-2 (duplicate designated as SG-52). In addition, the laboratory performed batch QC as required by the analytical method.

## 2.2 Soil Investigation

Soil samples were collected from the soil gas sampling locations using direct push methods. The soil was collected using 5-ft-long dedicated acetate liners down to 8 ft bgs. The soil retained in the liner was visually described and classified, inspected for signs of contamination and screened for VOCs using a photoionization detector (PID). The samples collected for analyses were taken from the 6-inch interval where the highest PID readings occurred. Samples were collected for analysis from one on-site location (SG-2) due to the occurrence of elevated PID readings. The sample (SG-2-0510) and a blind field duplicate (SG-52-0510) were collected from the six to twelve inch interval bgs. Boring logs are included in Appendix A of this report.

A sub-slab soil sample was collected from SS-2 in the former Alodine Room using a 7/8" x 33" stainless steel soil probe. Attempts were made to collect soil from SS-1, however due to the presence of gravel an acceptable volume of soil was not obtained. Soil samples were analyzed for VOCs. Laboratory analyses were conducted by Chemtech.

## 3.0 ANALYTICAL RESULTS

### 3.1 Soil Vapor Samples

Seven soil vapor samples (plus one field duplicate) were collected at the locations shown on Figure 2. The samples were analyzed for VOCs by USEPA method TO-15. The samples included six soil vapor samples (SG-1 through SG-6) plus one field duplicate (SG-52, duplicate of SG-2). During the sample collection period one outdoor air sample (OA-1) was also collected. Analytical results are summarized on Table 1. The concentrations of tetrachloroethene (PCE) and breakdown products are shown on Figure 3. The concentrations of benzene, toluene, ethylbenzene, and xylenes (BTEX) are shown on Figure 4.

- PCE was detected at all six of the soil vapor sample locations. By far the highest concentrations were from SG-2 (132,000 and 150,000 µg/m<sup>3</sup>). Concentrations in the other soil vapor samples ranged from 6.1 µg/m<sup>3</sup> off-site at SG-1 to 2,929 µg/m<sup>3</sup> at SG-4; concentrations in the outdoor air samples were 1.29 µg/m<sup>3</sup>.
- Trichloroethene (TCE) was detected at six of the soil vapor sample locations at concentrations ranging from 1.18 µg/m<sup>3</sup> (SG-3) to 9,286 µg/m<sup>3</sup> (SG-2 duplicate). TCE was not detected in the outdoor air samples.
- cis-1,2-Dichloroethene (DCE) was detected at three of the soil vapor sample locations SG-1 (0.48 µg/m<sup>3</sup>); SG-2 (13,938 and 17,334 µg/m<sup>3</sup>), and SG-4 (23.9 µg/m<sup>3</sup>); but not detected in SG-3, SG-5 or SG-6. cis-1,2-DCE was not detected in the outdoor air.

- benzene, toluene, ethylbenzene, and xylenes (BTEX) compounds were detected at all six of the soil vapor sample locations. Benzene, toluene, and xylenes were detected in the outdoor air sample. Ethylbenzene was not detected in the outdoor air sample.

### 3.2 Sub-slab, Indoor and Outdoor Air Samples

Four air samples were collected, including two sub-slab soil vapor samples, one indoor air sample, and one outdoor air sample. All four samples were analyzed for VOCs by USEPA method TO-15. The analytical results are presented in Table 1. Detected VOCs included chlorinated aliphatics (e.g., 1,2-dichloroethane, TCE, 1,1,2-trichloroethane, 1,2,2,2-tetrachloroethane, and PCE), and petroleum-related compounds (e.g., BTEX). Concentrations of TCE and PCE for each sample location are shown in Figure 3 and BTEX concentrations are shown in Figure 4.

Indoor air and outdoor air sample data are compared to background concentrations presented in Table 3 and Table 4. The background concentrations are the 75<sup>th</sup> percentiles reported in the NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes and the EPA 2001 Building Assessment and Survey Evaluation (BASE) database (Appendix C of NYSDOH, 2006). The indoor and outdoor air sample data were also compared to the air guideline values derived by NYSDOH (Table 3.1, NYSDOH, 2006).

Indoor air concentrations exceeded at least one of the reported average background levels for the following compounds:

- Acetone
- 2-Butanone (MEK)
- 4-Methyl-2-pentanone (MIBK)
- Styrene
- Tetrachloroethene (PCE)
- Trichloroethene (TCE)
- Trichlorofluoromethane
- m&p-Xylenes

Outdoor air concentrations exceeded at least one of the reported average background levels for the following compounds:

- 2-Butanone (MEK)
- Hexane
- Tetrachloroethene (PCE)
- m&p-Xylenes

When comparing the indoor and outdoor air samples to the NYSDOH air guideline values (Table 3.1, NYSDOH, 2006), three compounds have guideline values: methylene chloride, PCE and TCE. As shown on Tables 3 and 4, the indoor and outdoor air sample data were below the air guideline values derived by NYSDOH (NYSDOH, 2006). A comparison of the concentrations of TCE and PCE in the sub-slab vapor and indoor air samples with the Decision Matrices from NYSDOH (2006) is presented in Table 5. Based on the levels of PCE in the sub-slab and indoor air, as per the NYSDOH guidance, it is recommended that the structure be mitigated to minimize current or potential exposures associated with soil vapor intrusion.

### 3.3 Soil Samples

Soil samples from two locations (plus one field duplicate) were collected and submitted to Chemtech for VOC analysis by USEPA SW-846 Method 8260.

The soil data were compared to the NYSDEC Soil Cleanup Objectives (SCOs; 6NYCRR 375-6.8a and 375-6.8b [unrestricted use and restricted industrial use SCOs]) presented in Table 2. The concentrations of PCE and breakdown products in soil are shown on Figure 3. PCE, TCE, and acetone were detected at both SS-2 and SG-2. cis-1,2-DCE and 1,1,1-TCA were detected at SG-2. Other compounds (trans-1,2-DCE, methylene chloride, xylenes) were detected in at least one of the samples at low concentrations (below the reporting limits).

- PCE was detected at both SS-2 (2,200 ug/kg) and at SG-2 (2,500 µg/kg, and 3,700 µg/kg in duplicate SG-52). All of the detected concentrations exceeded the unrestricted use SCO (1,300 µg/kg). The detected concentrations did not exceed the industrial use SCO (300,000 µg/kg).
- TCE was detected at both SS-2 (6.5 ug/kg) and at SG-2 (65 and 110 µg/kg). None of the detected concentrations exceeded the unrestricted use SCO or the industrial use SCO (470 µg/kg and 400,000 µg/kg, respectively).
- cis-1,2-DCE was detected at SG-2 (18 and 26 µg/kg). The detected concentrations did not exceed the unrestricted use SCO or the industrial use SCO (250 µg/kg and 1,000,000 µg/kg, respectively).
- 1,1,1-TCA was detected at SG-2 (4.8 and 6.4 µg/kg). The detected concentrations did not exceed the unrestricted use SCO or the industrial use SCO (680 µg/kg and 1,000,000 µg/kg, respectively).
- Acetone, a common laboratory contaminant, was detected in the environmental samples and in SS-2 at concentrations which exceeded the unrestricted use SCO. None of the detected concentrations exceeded the industrial use SCO.
- trans-1,2-DCE, methylene chloride, xylenes were detected at low concentrations (less than 4 µg/kg); these concentrations are less than the applicable SCO.

#### **4.0 DATA VALIDATION**

Data validation for this round of sampling was provided by Environmental Data Services (EDS) of Williamsburg, VA, an independent chemist under subcontract to AECOM. Data Usability Summary Reports (DUSRs) for each sample delivery group (SDG) are included in Appendix C. Complete copies of the laboratory analytical data reports are included in Appendix C.

Based on the DUSRs, the data collected during the field investigation are usable.

For the air samples, there were no rejections of the data. Air sample data were qualified as estimated in two original sample analyses, five dilution sample analyses, and one reanalysis sample due to high and low internal standard recoveries.

For the soil samples, there were no rejections of the data. The data were qualified as estimated for the following deficiencies:

- Two compounds were qualified as estimated in one sample due to low MD/MSD recoveries.
- Two compounds were qualified in all samples due to high continuing calibration %D values.
- One compound was qualified in both field duplicate samples due to poor duplicate precision.

No other issues were reported with the data, and the data are considered usable.

#### **5.0 FINDINGS AND RECOMMENDATIONS**

The findings based on this round of investigation are as follows:

- PCE and TCE, two of the contaminants of primary concern, were detected in sub-slab vapor and indoor air samples at concentrations that, when compared to NYSDOH Decision Matrices, may require mitigation at Building Number 2;
- Indoor air concentrations for several compounds including TCE and PCE exceed measured background levels; and,
- PCE, TCE, 1,2-DCE, 1,1,1-TCA, and acetone were detected in the soil samples analyzed for VOCs. All the PCE concentrations exceeded the unrestricted SCO. None of the detected concentrations exceeded the industrial use SCOs.

## **6.0 REFERENCES**

AECOM Technical Services (AECOM; submitted as “Earth Tech|AECOM”), 2008. Work Plan for Hazeltine Corporation Site. Prepared for NYSDEC. February.

New York State Department of Environmental Conservation (NYSDEC), 2002. NYSDEC Division of Environmental Remediation Draft DER-10 Technical Guidance for Site Investigation and Remediation. December.

New York State Department of Health (NYSDOH), 2006. Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October.

**TABLE 1**  
**HAZELTINE CORPORATION (SITE # 152005)**  
**VOC DATA IN AIR SAMPLES**

| CLIENT ID                   |                   | SG-1       | SG-2            | SG-52           | SG-3       | SG-4         |
|-----------------------------|-------------------|------------|-----------------|-----------------|------------|--------------|
| LAB ID                      |                   | B1786-05   | B1786-04        | B1786-09        | B1786-07   | B1786-08     |
| SAMPLE LOCATION             |                   | SG-1       | SG-2            | SG-2            | SG-3       | SG-4         |
| SAMPLE DATE                 |                   | 4/1/2010   | 4/1/2010        | 4/1/2010        | 4/1/2010   | 4/1/2010     |
| SAMPLE TYPE                 |                   | Soil Vapor | Soil Vapor      | Soil Vapor      | Soil Vapor | Soil Vapor   |
| DILUTION FACTOR             |                   | 1 & 10     | 10 & 440 & 4400 | 10 & 400 & 4000 | 1 & 10     | 1 & 10 & 100 |
| COMPOUND                    | Units             |            |                 |                 |            |              |
| Acetone                     | ug/m <sup>3</sup> | 275        | 137             | 59.2            | 95.5       | 63.4         |
| Allyl Chloride              | ug/m <sup>3</sup> | 0.16 U     | 1.57 U          | 1.57 U          | 0.16 U     | 0.16 U       |
| Benzene                     | ug/m <sup>3</sup> | 41         | 7.99            | 6.07 J          | 4.47       | 4.89         |
| Bromodichloromethane        | ug/m <sup>3</sup> | 0.33 U     | 3.35 U          | 3.35 UJ         | 0.33 U     | 0.33 U       |
| Bromoethene                 | ug/m <sup>3</sup> | 0.13 U     | 1.31 U          | 1.31 U          | 0.13 U     | 0.13 U       |
| Bromoform                   | ug/m <sup>3</sup> | 0.52 U     | 5.17 U          | 5.17 UJ         | 0.52 U     | 0.52 U       |
| Bromomethane                | ug/m <sup>3</sup> | 0.12 U     | 1.16 U          | 1.55 J          | 0.12 U     | 0.12 U       |
| Hexachloro-1,3-Butadiene    | ug/m <sup>3</sup> | 0.85 U     | 8.53 U          | 8.53 U          | 0.85 U     | 0.85 U       |
| 1,3-Butadiene               | ug/m <sup>3</sup> | 0.2 U      | 1.99 U          | 1.99 U          | 0.2 U      | 0.2 U        |
| 2-Butanone (MEK)            | ug/m <sup>3</sup> | 29.9       | 5.9             | 10.9 J          | 3.95       | 4.04         |
| tert-butyl alcohol          | ug/m <sup>3</sup> | 9.03       | 4.85            | 4.24            | 10.6       | 11           |
| Methyl-t-butyl ether (MTBE) | ug/m <sup>3</sup> | 0.18 U     | 1.8 U           | 1.8 U           | 0.18 U     | 0.18 U       |
| Carbon Disulfide            | ug/m <sup>3</sup> | 21.4       | 1.56 U          | 1.56 U          | 0.16 U     | 1.03         |
| Carbon Tetrachloride        | ug/m <sup>3</sup> | 1.13       | 2.52 U          | 2.52 UJ         | 0.31       | 0.25 U       |
| Chlorobenzene               | ug/m <sup>3</sup> | 0.41 U     | 4.14 U          | 4.14 U          | 0.41 U     | 0.41 U       |
| Chloroethane                | ug/m <sup>3</sup> | 0.18 U     | 1.85 U          | 1.85 U          | 0.18 U     | 0.18 U       |
| Chloroform                  | ug/m <sup>3</sup> | 0.1 U      | 4.4 J           | 3.42 J          | 6.06       | 1.95         |
| Chloromethane               | ug/m <sup>3</sup> | 0.27       | 1.24 U          | 5.58            | 0.12 U     | 0.21 J       |
| 2-Chlorotoluene             | ug/m <sup>3</sup> | 0.52 U     | 5.18 U          | 5.18 U          | 0.52 U     | 0.52 U       |
| Cyclohexane                 | ug/m <sup>3</sup> | 5.99       | 2.75 U          | 2.75 U          | 0.38       | 0.79         |
| Dibromochloromethane        | ug/m <sup>3</sup> | 0.43 U     | 4.26 U          | 4.26 UJ         | 0.43 U     | 0.43 U       |
| 1,2-Dibromoethane (EDB)     | ug/m <sup>3</sup> | 0.54 U     | 5.38 U          | 5.38 UJ         | 0.54 U     | 0.54 U       |
| 1,3-Dichlorobenzene         | ug/m <sup>3</sup> | 0.48 U     | 4.81 U          | 4.81 U          | 0.48 U     | 0.48 U       |
| 1,4-Dichlorobenzene         | ug/m <sup>3</sup> | 0.36 U     | 3.61 U          | 3.61 U          | 0.36 U     | 0.36 U       |
| 1,2-Dichlorobenzene         | ug/m <sup>3</sup> | 0.42 U     | 4.21 U          | 4.21 U          | 0.42 U     | 0.42 U       |
| Dichlorodifluoromethane     | ug/m <sup>3</sup> | 1.73       | 1.98 J          | 2.47 J          | 2.27       | 2.27         |
| 1,1-Dichloroethane          | ug/m <sup>3</sup> | 0.16 U     | 178             | 146             | 0.16 U     | 3.85         |
| 1,2-Dichloroethane          | ug/m <sup>3</sup> | 0.28 U     | 2.83 U          | 2.83 UJ         | 0.28 U     | 0.28 U       |
| 1,1-Dichloroethene          | ug/m <sup>3</sup> | 0.79       | 24.6            | 20.2            | 0.2 U      | 0.2 U        |
| trans-1,2-Dichloroethene    | ug/m <sup>3</sup> | 0.24 U     | 314             | 287             | 0.24 U     | 2.22         |
| cis-1,2-Dichloroethene      | ug/m <sup>3</sup> | 0.48       | 13938           | 17334           | 0.24 U     | 23.9         |
| 1,2-Dichloropropane         | ug/m <sup>3</sup> | 0.28 U     | 2.77 U          | 2.77 UJ         | 0.28 U     | 0.28 U       |
| trans-1,3-Dichloropropene   | ug/m <sup>3</sup> | 0.32 U     | 3.18 U          | 3.18 UJ         | 0.32 U     | 0.32 U       |
| cis-1,3-Dichloropropene     | ug/m <sup>3</sup> | 0.27 U     | 2.72 U          | 2.72 UJ         | 0.27 U     | 0.27 U       |
| Dichlorotetrafluoroethane   | ug/m <sup>3</sup> | 0.28 U     | 2.8 U           | 2.8 U           | 0.28 U     | 0.28 U       |

**TABLE 1**  
**HAZELTINE CORPORATION (SITE # 152005)**  
**VOC DATA IN AIR SAMPLES**

| CLIENT ID                      |                   | SG-1       | SG-2            | SG-52           | SG-3       | SG-4         |
|--------------------------------|-------------------|------------|-----------------|-----------------|------------|--------------|
| LAB ID                         |                   | B1786-05   | B1786-04        | B1786-09        | B1786-07   | B1786-08     |
| SAMPLE LOCATION                |                   | SG-1       | SG-2            | SG-2            | SG-3       | SG-4         |
| SAMPLE DATE                    |                   | 4/1/2010   | 4/1/2010        | 4/1/2010        | 4/1/2010   | 4/1/2010     |
| SAMPLE TYPE                    |                   | Soil Vapor | Soil Vapor      | Soil Vapor      | Soil Vapor | Soil Vapor   |
| DILUTION FACTOR                |                   | 1 & 10     | 10 & 440 & 4400 | 10 & 400 & 4000 | 1 & 10     | 1 & 10 & 100 |
| COMPOUND                       | Units             |            |                 |                 |            |              |
| 1,4-Dioxane                    | ug/m <sup>3</sup> | 0.32 U     | 3.24 U          | 3.24 UJ         | 0.32 U     | 0.32 U       |
| Ethylbenzene                   | ug/m <sup>3</sup> | 10.5       | 4.78            | 3.47 U          | 3.13       | 4.91         |
| 4-Ethyltoluene                 | ug/m <sup>3</sup> | 1.97       | 3.93 U          | 3.93 U          | 0.93       | 1.52         |
| Heptane                        | ug/m <sup>3</sup> | 27.2       | 6.56            | 2.46 U          | 4.22       | 3.81         |
| Hexane                         | ug/m <sup>3</sup> | 54.3       | 4.93            | 9.52            | 0.14 U     | 0.14 U       |
| Methyl Methacrylate            | ug/m <sup>3</sup> | 0.41 U     | 4.09 U          | 4.09 U          | 0.41 U     | 0.41 U       |
| Methylene Chloride             | ug/m <sup>3</sup> | 6.36       | 9.73            | 25.4            | 1.56       | 2.61         |
| 4-Methyl-2-pentanone (MIBK)    | ug/m <sup>3</sup> | 0.25 U     | 2.46 U          | 2.46 UJ         | 0.25 U     | 0.25 U       |
| Styrene                        | ug/m <sup>3</sup> | 3.83       | 2.98 U          | 2.98 U          | 0.68       | 1.32         |
| 1,1,2,2-Tetrachloroethane      | ug/m <sup>3</sup> | 0.69 U     | 6.87 U          | 6.87 U          | 0.69 U     | 0.69 U       |
| Tetrachloroethene (PCE)        | ug/m <sup>3</sup> | 6.1        | 132477          | 150000          | 10         | 2929         |
| Tetrahydrofuran                | ug/m <sup>3</sup> | 29.8       | 2.36 U          | 2.36 UJ         | 0.24 U     | 0.24 U       |
| Toluene                        | ug/m <sup>3</sup> | 152        | 68.2            | 134 J           | 43.3       | 36.3         |
| 1,2,4-Trichlorobenzene         | ug/m <sup>3</sup> | 0.3 U      | 2.97 U          | 2.97 U          | 0.3 U      | 0.3 U        |
| 1,1,1-Trichloroethane          | ug/m <sup>3</sup> | 1.36       | 984             | 718             | 1.75       | 326          |
| 1,1,2-Trichloroethane          | ug/m <sup>3</sup> | 0.44 U     | 4.36 U          | 4.36 UJ         | 0.44 U     | 0.44 U       |
| Trichloroethene (TCE)          | ug/m <sup>3</sup> | 1.72       | 6952            | 9286            | 1.18       | 240          |
| Trichlorofluoromethane         | ug/m <sup>3</sup> | 1.18       | 2.25 U          | 2.25 J          | 1.8        | 3.15         |
| 1,1,2-Trichlorotrifluoroethane | ug/m <sup>3</sup> | 3.99       | 29.1            | 27.6            | 1.15       | 45.4         |
| 1,3,5-Trimethylbenzene         | ug/m <sup>3</sup> | 0.59       | 4.42 U          | 4.42 U          | 0.44 U     | 0.44 U       |
| 1,2,4-Trimethylbenzene         | ug/m <sup>3</sup> | 2.21       | 4.92 U          | 4.92 U          | 0.64       | 1.47         |
| 2,2,4-Trimethylpentane         | ug/m <sup>3</sup> | 15         | 1.87 U          | 1.87 UJ         | 0.19 U     | 0.19 U       |
| Vinyl chloride (VC)            | ug/m <sup>3</sup> | 0.18 U     | 1.79 U          | 1.79 U          | 0.18 U     | 0.18 U       |
| o-Xylene                       | ug/m <sup>3</sup> | 7.3        | 3.04 U          | 3.04 U          | 1.13       | 2.22         |
| m&p-Xylenes                    | ug/m <sup>3</sup> | 33.8       | 17.8            | 12.2            | 12         | 16.5         |

Notes:

J -Estimated

U-Undetected



**TABLE 1**  
**HAZELTINE CORPORATION (SITE # 152005)**  
**VOC DATA IN AIR SAMPLES**

| CLIENT ID                   |                   | SG-5       | SG-6       | SS-1         | SS-2         | IA-01      | OA-1        |
|-----------------------------|-------------------|------------|------------|--------------|--------------|------------|-------------|
| LAB ID                      |                   | B1786-10   | B1786-02   | B1786-06     | B1786-01     | B1786-03   | B1786-11    |
| SAMPLE LOCATION             |                   | SG-5       | SG-6       | SS-1         | SS-2         | IA-01      | OA-1        |
| SAMPLE DATE                 |                   | 4/1/2010   | 4/1/2010   | 4/1/2010     | 4/1/2010     | 4/1/2010   | 4/1/2010    |
| SAMPLE TYPE                 |                   | Soil Vapor | Soil Vapor | Sub-Slab Air | Sub-Slab Air | Indoor Air | Outdoor Air |
| DILUTION FACTOR             |                   | 1 & 10     | 1 & 10     | 1 & 10       | 1 & 10 & 400 | 1 & 400    | 1           |
| COMPOUND                    | Units             |            |            |              |              |            |             |
| Acetone                     | ug/m <sup>3</sup> | 115        | 151        | 101          | 157          | 77.9       | 7.58        |
| Allyl Chloride              | ug/m <sup>3</sup> | 0.16 U     | 0.16 U     | 0.16 U       | 0.16 U       | 0.16 U     | 0.16 U      |
| Benzene                     | ug/m <sup>3</sup> | 7.89       | 4.28       | 1.02         | 7.48         | 1.25       | 1.21        |
| Bromodichloromethane        | ug/m <sup>3</sup> | 0.33 U     | 0.33 U     | 0.33 U       | 0.33 U       | 0.33 U     | 0.33 U      |
| Bromoethene                 | ug/m <sup>3</sup> | 0.13 U     | 0.13 U     | 0.13 U       | 0.13 U       | 0.13 U     | 0.13 U      |
| Bromoform                   | ug/m <sup>3</sup> | 0.52 U     | 0.52 U     | 0.52 U       | 0.52 U       | 0.52 U     | 0.52 U      |
| Bromomethane                | ug/m <sup>3</sup> | 0.12 U     | 0.43       | 0.12 U       | 0.12 U       | 0.12 U     | 0.12 U      |
| Hexachloro-1,3-Butadiene    | ug/m <sup>3</sup> | 0.85 U     | 0.85 U     | 0.85 U       | 0.85 U       | 0.85 U     | 0.85 UJ     |
| 1,3-Butadiene               | ug/m <sup>3</sup> | 0.2 U      | 0.2 U      | 0.2 U        | 0.2 U        | 0.2 U      | 0.2 U       |
| 2-Butanone (MEK)            | ug/m <sup>3</sup> | 7.4        | 7.46       | 53.1         | 38.6         | 77.6       | 2.8         |
| tert-butyl alcohol          | ug/m <sup>3</sup> | 11.3       | 7.37       | 0.3 U        | 18.4         | 0.3 U      | 0.3 U       |
| Methyl-t-butyl ether (MTBE) | ug/m <sup>3</sup> | 0.18 U     | 0.18 U     | 0.18 U       | 0.18 U       | 0.18 U     | 0.18 U      |
| Carbon Disulfide            | ug/m <sup>3</sup> | 1.31       | 0.16 U     | 0.16 U       | 0.16 U       | 0.16 U     | 0.16 U      |
| Carbon Tetrachloride        | ug/m <sup>3</sup> | 0.44       | 0.57       | 0.44         | 0.44         | 0.38       | 0.31        |
| Chlorobenzene               | ug/m <sup>3</sup> | 0.41 U     | 0.41 U     | 0.41 U       | 0.69         | 0.41 U     | 0.41 UJ     |
| Chloroethane                | ug/m <sup>3</sup> | 0.18 U     | 0.84       | 0.18 U       | 0.18 U       | 0.18 U     | 0.18 U      |
| Chloroform                  | ug/m <sup>3</sup> | 0.1 U      | 2.44       | 0.1 U        | 5.23         | 0.1 U      | 0.1 U       |
| Chloromethane               | ug/m <sup>3</sup> | 0.87       | 7.93       | 0.74         | 0.74         | 0.81       | 0.93        |
| 2-Chlorotoluene             | ug/m <sup>3</sup> | 0.52 U     | 0.52 U     | 0.52 U       | 0.52 U       | 0.52 U     | 0.52 UJ     |
| Cyclohexane                 | ug/m <sup>3</sup> | 0.52       | 0.41       | 0.48         | 1.03         | 0.38       | 0.28 U      |
| Dibromochloromethane        | ug/m <sup>3</sup> | 0.43 U     | 0.43 U     | 0.43 U       | 0.43 U       | 0.43 U     | 0.43 U      |
| 1,2-Dibromoethane (EDB)     | ug/m <sup>3</sup> | 0.54 U     | 0.54 U     | 0.54 U       | 0.54 U       | 0.54 U     | 0.54 U      |
| 1,3-Dichlorobenzene         | ug/m <sup>3</sup> | 0.48 U     | 0.48 U     | 0.48 U       | 0.48 U       | 0.48 U     | 0.48 UJ     |
| 1,4-Dichlorobenzene         | ug/m <sup>3</sup> | 0.36 U     | 0.36 U     | 0.36 U       | 0.36 U       | 0.36 U     | 0.36 UJ     |
| 1,2-Dichlorobenzene         | ug/m <sup>3</sup> | 0.42 U     | 0.42 U     | 0.42 U       | 0.42 U       | 0.42 U     | 0.42 UJ     |
| Dichlorodifluoromethane     | ug/m <sup>3</sup> | 2.47       | 2.47       | 2.77         | 2.13         | 1.83       | 1.48        |
| 1,1-Dichloroethane          | ug/m <sup>3</sup> | 0.77       | 0.32 J     | 0.16 U       | 7.77         | 0.16 U     | 0.16 U      |
| 1,2-Dichloroethane          | ug/m <sup>3</sup> | 0.28 U     | 0.28 U     | 0.28 U       | 0.28 U       | 0.28 U     | 0.28 U      |
| 1,1-Dichloroethene          | ug/m <sup>3</sup> | 0.2 U      | 0.2 U      | 0.2 U        | 18.5         | 0.2 U      | 0.2 U       |
| trans-1,2-Dichloroethene    | ug/m <sup>3</sup> | 1.35       | 0.24 U     | 6.94         | 8.6          | 5.35       | 0.44        |
| cis-1,2-Dichloroethene      | ug/m <sup>3</sup> | 0.24 U     | 0.24 U     | 0.24 U       | 94.4         | 0.24 U     | 0.24 U      |
| 1,2-Dichloropropane         | ug/m <sup>3</sup> | 0.28 U     | 0.28 U     | 0.28 U       | 0.28 U       | 0.28 U     | 0.28 U      |
| trans-1,3-Dichloropropene   | ug/m <sup>3</sup> | 0.32 U     | 0.32 U     | 0.32 U       | 0.32 U       | 0.32 U     | 0.32 U      |
| cis-1,3-Dichloropropene     | ug/m <sup>3</sup> | 0.27 U     | 0.27 U     | 0.27 U       | 0.27 U       | 0.27 U     | 0.27 U      |
| Dichlorotetrafluoroethane   | ug/m <sup>3</sup> | 0.28 U     | 0.28 U     | 0.28 U       | 0.28 U       | 0.28 U     | 0.28 U      |

**TABLE 1**  
**HAZELTINE CORPORATION (SITE # 152005)**  
**VOC DATA IN AIR SAMPLES**

| CLIENT ID                      |                   | SG-5       | SG-6       | SS-1         | SS-2         | IA-01      | OA-1        |
|--------------------------------|-------------------|------------|------------|--------------|--------------|------------|-------------|
| LAB ID                         |                   | B1786-10   | B1786-02   | B1786-06     | B1786-01     | B1786-03   | B1786-11    |
| SAMPLE LOCATION                |                   | SG-5       | SG-6       | SS-1         | SS-2         | IA-01      | OA-1        |
| SAMPLE DATE                    |                   | 4/1/2010   | 4/1/2010   | 4/1/2010     | 4/1/2010     | 4/1/2010   | 4/1/2010    |
| SAMPLE TYPE                    |                   | Soil Vapor | Soil Vapor | Sub-Slab Air | Sub-Slab Air | Indoor Air | Outdoor Air |
| DILUTION FACTOR                |                   | 1 & 10     | 1 & 10     | 1 & 10       | 1 & 10 & 400 | 1 & 400    | 1           |
| COMPOUND                       | Units             |            |            |              |              |            |             |
| 1,4-Dioxane                    | ug/m <sup>3</sup> | 0.32 U     | 3.64       | 0.32 U       | 1.69         | 0.32 U     | 0.32 U      |
| Ethylbenzene                   | ug/m <sup>3</sup> | 7.3        | 2.65       | 2.48         | 3            | 2          | 0.35 UJ     |
| 4-Ethyltoluene                 | ug/m <sup>3</sup> | 3          | 0.79       | 0.39 U       | 0.44 J       | 0.39 U     | 0.39 UJ     |
| Heptane                        | ug/m <sup>3</sup> | 5.37       | 4.63       | 5.74         | 9.47         | 4.22       | 0.25 U      |
| Hexane                         | ug/m <sup>3</sup> | 6.59       | 3.59       | 5.22         | 10           | 3.52       | 3.03        |
| Methyl Methacrylate            | ug/m <sup>3</sup> | 0.41 U     | 0.41 U     | 0.41 U       | 0.41 U       | 0.41 U     | 0.41 U      |
| Methylene Chloride             | ug/m <sup>3</sup> | 4.62       | 1.39       | 16.7         | 3.16         | 2.61       | 1.67        |
| 4-Methyl-2-pentanone (MIBK)    | ug/m <sup>3</sup> | 0.53       | 2.13       | 5.82         | 5.57         | 5.57       | 0.49        |
| Styrene                        | ug/m <sup>3</sup> | 1.28       | 0.47       | 2.77         | 1.92         | 2.13       | 0.3 UJ      |
| 1,1,2,2-Tetrachloroethane      | ug/m <sup>3</sup> | 0.69 U     | 0.69 U     | 0.69 U       | 0.69 U       | 0.69 U     | 0.69 UJ     |
| Tetrachloroethene (PCE)        | ug/m <sup>3</sup> | 6.44       | 28.7       | 47.6         | 8978         | 28         | 1.29        |
| Tetrahydrofuran                | ug/m <sup>3</sup> | 0.24 U     | 1.15       | 0.24 U       | 0.24 U       | 0.24 U     | 0.24 U      |
| Toluene                        | ug/m <sup>3</sup> | 49.7       | 38.8       | 23.6         | 43.8         | 18         | 2.15        |
| 1,2,4-Trichlorobenzene         | ug/m <sup>3</sup> | 0.3 U      | 0.3 U      | 0.3 U        | 0.3 U        | 0.3 U      | 0.3 UJ      |
| 1,1,1-Trichloroethane          | ug/m <sup>3</sup> | 7.26       | 6.77       | 0.87         | 145          | 0.44 J     | 0.22 U      |
| 1,1,2-Trichloroethane          | ug/m <sup>3</sup> | 0.44 U     | 0.44 U     | 0.44 U       | 0.44 U       | 0.44 U     | 0.44 U      |
| Trichloroethene (TCE)          | ug/m <sup>3</sup> | 1.56       | 1.72       | 0.43         | 123          | 0.27       | 0.21 U      |
| Trichlorofluoromethane         | ug/m <sup>3</sup> | 1.57       | 1.52       | 85.4         | 64.6         | 44.4       | 0.9         |
| 1,1,2-Trichlorotrifluoroethane | ug/m <sup>3</sup> | 222        | 1.07       | 0.77 J       | 174          | 0.54 J     | 0.31 U      |
| 1,3,5-Trimethylbenzene         | ug/m <sup>3</sup> | 0.88       | 0.44 U     | 0.44 U       | 0.44 U       | 0.44 U     | 0.44 UJ     |
| 1,2,4-Trimethylbenzene         | ug/m <sup>3</sup> | 2.85       | 0.54       | 1.28         | 1.18         | 0.93       | 0.49 UJ     |
| 2,2,4-Trimethylpentane         | ug/m <sup>3</sup> | 0.19 U     | 1.45       | 0.37 J       | 3.6          | 0.84       | 0.19 U      |
| Vinyl chloride (VC)            | ug/m <sup>3</sup> | 0.18 U     | 0.18 U     | 0.18 U       | 0.18 U       | 0.18 U     | 0.18 U      |
| o-Xylene                       | ug/m <sup>3</sup> | 3.47       | 1.13       | 1.65         | 1.74         | 1.3        | 0.3 UJ      |
| m&p-Xylenes                    | ug/m <sup>3</sup> | 30.8       | 10.8       | 8.3          | 9.64         | 6.43       | 0.96 J      |

Notes:

J -Estimated

U-Undetected

**TABLE 2**  
**HAZELTINE CORPORATION (SITE # 152005)**  
**VOC DATA IN SOIL SAMPLES**

| Sample ID                   | NYSDEC       | NYSDEC     | SG-2-0510 | SG-52-0510 | SS-2     |
|-----------------------------|--------------|------------|-----------|------------|----------|
| Lab Sample Number           | Part 375     | Part 375   | B1758-01  | B1758-04   | B1758-05 |
| Sampling Date               | SCO          | SCO        | 03/31/10  | 03/31/10   | 04/01/10 |
| Depth (inches)              | Unrestricted | Industrial | 6-12      | 6-12       | 0-6      |
| Matrix                      | Soil         | Soil       | Soil      | Dup SG-2   | Soil     |
| Dilution Factor             |              |            | 1         | 1          | 1        |
| Units                       | ug/kg        | ug/kg      | ug/kg     | ug/kg      | ug/kg    |
| COMPOUND                    |              |            |           |            |          |
| Acetone                     | 50           | 1,000,000  | 20 J      | 16 J       | 76       |
| Benzene                     | 60           | 89,000     | 6.2 U     | 6.1 U      | 5.6 U    |
| Bromodichloromethane        | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| Bromoform                   | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| Bromomethane                | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| 2-Butanone (MEK)            | 120          | 1,000,000  | 31 U      | 31 U       | 28 U     |
| Methyl-t-butyl ether (MTBE) | 930          | 1,000,000  | 6.2 U     | 6.1 U      | 5.6 U    |
| Carbon Disulfide            | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| Carbon Tetrachloride        | 760          | 44,000     | 6.2 U     | 6.1 U      | 5.6 U    |
| Chlorobenzene               | 1100         | 1,000,000  | 6.2 U     | 6.1 U      | 5.6 U    |
| Chloroethane                | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| Chloroform                  | 370          | 700,000    | 6.2 U     | 6.1 U      | 5.6 U    |
| Chloromethane               | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| 1,2-Dibromo-3-Chloropropane | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| Cyclohexane                 | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| Dibromochloromethane        | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| 1,2-Dibromoethane (EDB)     | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| 1,3-Dichlorobenzene         | 2400         | 560,000    | 6.2 U     | 6.1 U      | 5.6 U    |
| 1,4-Dichlorobenzene         | 1800         | 250,000    | 6.2 U     | 6.1 U      | 5.6 U    |
| 1,2-Dichlorobenzene         | 1100         | 1,000,000  | 6.2 U     | 6.1 U      | 5.6 U    |
| Dichlorodifluoromethane     | NA           | NA         | 6.2 UJ    | 6.1 UJ     | 5.6 UJ   |
| 1,1-Dichloroethane          | 270          | 480,000    | 6.2 U     | 6.1 U      | 5.6 U    |
| 1,2-Dichloroethane          | 20           | 60,000     | 6.2 U     | 6.1 U      | 5.6 U    |
| 1,1-Dichloroethene          | 330          | 1,000,000  | 6.2 U     | 6.1 U      | 5.6 U    |
| trans-1,2-Dichloroethene    | 190          | 1,000,000  | 6.2 U     | 1.3 J      | 5.6 U    |
| cis-1,2-Dichloroethene      | 250          | 1,000,000  | 18        | 26         | 5.6 U    |
| 1,2-Dichloropropane         | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| trans-1,3-Dichloropropene   | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| cis-1,3-Dichloropropene     | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| Ethylbenzene                | 1000         | 780,000    | 6.2 U     | 6.1 U      | 5.6 U    |
| 2-Hexanone                  | NA           | NA         | 31 U      | 31 U       | 28 U     |
| Isopropylbenzene            | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| Methyl Acetate              | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| Methylcyclohexane           | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| Methylene Chloride          | 50           | 1,000,000  | 6.2 U     | 6.1 U      | 3.2 J    |
| 4-Methyl-2-pentanone (MIBK) | NA           | NA         | 31 U      | 31 U       | 28 U     |
| Styrene                     | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| 1,1,2,2-Tetrachloroethane   | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| Tetrachloroethene (PCE)     | 1300         | 300,000    | 2,500     | 3,700      | 2,200    |
| Toluene                     | 700          | 1,000,000  | 6.2 U     | 6.1 U      | 5.6 U    |

**TABLE 2**  
**HAZELTINE CORPORATION (SITE # 152005)**  
**VOC DATA IN SOIL SAMPLES**

| Sample ID                      | NYSDEC       | NYSDEC     | SG-2-0510 | SG-52-0510 | SS-2     |
|--------------------------------|--------------|------------|-----------|------------|----------|
| Lab Sample Number              | Part 375     | Part 375   | B1758-01  | B1758-04   | B1758-05 |
| Sampling Date                  | SCO          | SCO        | 03/31/10  | 03/31/10   | 04/01/10 |
| Depth (inches)                 | Unrestricted | Industrial | 6-12      | 6-12       | 0-6      |
| Matrix                         | Soil         | Soil       | Soil      | Dup SG-2   | Soil     |
| Dilution Factor                |              |            | 1         | 1          | 1        |
| Units                          | ug/kg        | ug/kg      | ug/kg     | ug/kg      | ug/kg    |
| COMPOUND                       |              |            |           |            |          |
| 1,2,4-Trichlorobenzene         | NA           | NA         | 6.2 UJ    | 6.1 U      | 5.6 U    |
| 1,1,1-Trichloroethane          | 680          | 1,000,000  | 4.8 J     | 6.4        | 5.6 U    |
| 1,1,2-Trichloroethane          | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| Trichloroethene (TCE)          | 470          | 400,000    | 65 J      | 110 J      | 6.5      |
| Trichlorofluoromethane         | NA           | NA         | 6.2 U     | 6.1 U      | 5.6 U    |
| 1,1,2-Trichlorotrifluoroethane | NA           | NA         | 6.2 UJ    | 6.1 UJ     | 5.6 UJ   |
| Vinyl chloride (VC)            | 20           | 27,000     | 6.2 U     | 6.1 U      | 5.6 U    |
| o-Xylene                       | 260          | NA         | 6.2 U     | 1.5 J      | 5.6 U    |
| m&p-Xylenes                    | 260          | NA         | 12 U      | 2.6 J      | 11 U     |
| Total Xylenes                  |              | 1,000,000  | ND        | 4.1        | ND       |
| Total TICs                     | NA           | NA         |           |            | 20.9     |

Notes:

**Bold** - Compound detected in a concentration greater than the Part 375 unrestricted SCO

**Shading** - Compound detected in a concentration greater than the Part 375 industrial use SCO

J - Indicates estimated value.

U - Indicates the analyte was analyzed for but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that analyte. The reporting limit can vary dilution factor.

SS-2 was collected directly below the sub-slab.

**TABLE 3**  
**HAZELTINE CORPORATION (SITE # 152005)**  
**INDOOR AIR CONCENTRATIONS COMPARED TO BACKGROUND LEVELS**

| Sample ID<br>Lab Sample Number<br>Sampling Date<br>Matrix<br>Dilution Factor<br>Units | Reported Background Concentrations<br>75th Percentile |       | Air Guideline<br>Values<br>Derived by<br>NYSDOH 2006<br><br>µg/m3 | IA-01      |
|---------------------------------------------------------------------------------------|-------------------------------------------------------|-------|-------------------------------------------------------------------|------------|
|                                                                                       |                                                       |       |                                                                   | B1786-03   |
|                                                                                       |                                                       |       |                                                                   | 4/1/2010   |
|                                                                                       |                                                       |       |                                                                   | Indoor Air |
|                                                                                       |                                                       |       |                                                                   | 1 and 400  |
|                                                                                       | µg/m3                                                 | µg/m3 |                                                                   | µg/m3      |
| COMPOUND                                                                              |                                                       |       |                                                                   |            |
| Acetone                                                                               | 59.8                                                  | 52    |                                                                   | 77.9       |
| Benzene                                                                               | 5.1                                                   | 5.9   |                                                                   | 1.25       |
| 2-Butanone (MEK)                                                                      | 7.5                                                   | NC    |                                                                   | 77.6       |
| Carbon Disulfide                                                                      | 2.1                                                   | NC    |                                                                   | 0.16 U     |
| Carbon Tetrachloride                                                                  | <1.1                                                  | 0.6   |                                                                   | 0.38       |
| Chloroform                                                                            | <1.2                                                  | 0.5   |                                                                   | 0.10 U     |
| Chloromethane                                                                         | 3.1                                                   | 1.8   |                                                                   | 0.81       |
| Cyclohexane                                                                           | NC                                                    | 2.6   |                                                                   | 0.38       |
| 1,4-Dichlorobenzene                                                                   | 1.4                                                   | 0.5   |                                                                   | 0.36 U     |
| Dichlorodifluoromethane                                                               | 10.5                                                  | 4.1   |                                                                   | 1.83       |
| 1,2-Dichloroethane                                                                    | <0.7                                                  | <0.25 |                                                                   | 0.28 U     |
| trans-1,2-Dichloroethene                                                              | NC                                                    | NC    |                                                                   | 5.35       |
| cis-1,2-Dichloroethene                                                                | <1.2                                                  | <0.25 |                                                                   | 0.24 U     |
| trans-1,3-Dichloropropene                                                             | <1.2                                                  | NC    |                                                                   | 0.32 U     |
| 1,4-Dioxane                                                                           | NC                                                    | NC    |                                                                   | 0.32 U     |
| Ethylbenzene                                                                          | 3.4                                                   | 2.8   |                                                                   | 2.0        |
| 4-Ethyltoluene                                                                        | <3.1                                                  | NC    |                                                                   | 0.39 U     |
| Heptane                                                                               | NC                                                    | NC    |                                                                   | 4.22       |
| Hexane                                                                                | 6.4                                                   | NC    |                                                                   | 3.52       |
| Methylene Chloride                                                                    | 5                                                     | NC    | 60                                                                | 2.61       |
| 4-Methyl-2-pentanone (MIBK)                                                           | 3                                                     | NC    |                                                                   | 5.57       |
| Styrene                                                                               | <2.3                                                  | 0.6   |                                                                   | 2.13       |
| Tetrachloroethene (PCE)                                                               | 5.9                                                   | 1.1   | 100                                                               | 28         |
| Tetrahydrofuran                                                                       | NC                                                    | 0.4   |                                                                   | 0.24 U     |
| Toluene                                                                               | 25.9                                                  | 25    |                                                                   | 18         |
| 1,1,1-Trichloroethane                                                                 | 10.8                                                  | 1.1   |                                                                   | 0.44 J     |
| 1,1,2-Trichloroethane                                                                 | <1.4                                                  | <0.25 |                                                                   | 0.44 U     |
| Trichloroethene (TCE)                                                                 | 1.2                                                   | <0.25 | 5                                                                 | 0.27       |
| Trichlorofluoromethane                                                                | 6.7                                                   | 5.4   |                                                                   | 44.4       |
| 1,1,2-Trichlorotrifluoroethane                                                        | NC                                                    | 1.1   |                                                                   | 0.54 J     |
| 1,3,5-Trimethylbenzene                                                                | <4.6                                                  | 1.7   |                                                                   | 0.44 U     |
| 1,2,4-Trimethylbenzene                                                                | 5.1                                                   | 4.3   |                                                                   | 0.93       |
| 2,2,4-Trimethylpentane                                                                | NC                                                    | NC    |                                                                   | 0.84       |
| o-Xylene                                                                              | 4.4                                                   | 3.1   |                                                                   | 1.3        |
| m&p-Xylenes                                                                           | 12.2                                                  | 4.6   |                                                                   | 6.43       |

**Notes:**

Exceedances of the reported 75th percentile background concentrations are in **bold text**.

NYSDOH 2003: Study of volatile organic chemicals in air of fuel oil heated homes

EPA 2001: Building assessment and survey evaluation (BASE) database

U - Not detected

J - Estimated value

NC - No criteria available

**TABLE 4**  
**HAZELTINE CORPORATION (SITE # 152005)**  
**OUTDOOR AIR CONCENTRATIONS COMPARED TO BACKGROUND LEVELS**

| Sample ID<br>Lab Sample Number<br>Sampling Date<br>Matrix<br>Dilution Factor<br>Units | Reported Background Concentrations<br>75th Percentile |       | Air Guideline<br>Values<br>Derived by<br>NYSDOH 2006<br><br>µg/m3 | OA-1        |
|---------------------------------------------------------------------------------------|-------------------------------------------------------|-------|-------------------------------------------------------------------|-------------|
|                                                                                       |                                                       |       |                                                                   | B1786-11    |
|                                                                                       | EPA 2001<br>Outdoor Air                               |       |                                                                   | 4/1/2010    |
|                                                                                       | NYSDOH 2003<br>Outdoor Air                            |       |                                                                   | Outdoor Air |
|                                                                                       |                                                       |       |                                                                   | 1           |
|                                                                                       | µg/m3                                                 | µg/m3 |                                                                   | µg/m3       |
| COMPOUND                                                                              |                                                       |       |                                                                   |             |
| Acetone                                                                               | 31.7                                                  | 14    |                                                                   | 7.58        |
| Benzene                                                                               | 3.7                                                   | 2.2   |                                                                   | 1.21        |
| 2-Butanone (MEK)                                                                      | 5.7                                                   | 0     |                                                                   | 2.8         |
| Carbon Disulfide                                                                      | 2.2                                                   | NC    |                                                                   | 0.16 U      |
| Carbon Tetrachloride                                                                  | <1.0                                                  | 0.6   |                                                                   | 0.31        |
| Chloromethane                                                                         | 3                                                     | 1.8   |                                                                   | 0.93        |
| Cyclohexane                                                                           | NC                                                    | 0.4   |                                                                   | 0.28 U      |
| Dichlorodifluoromethane                                                               | 5.8                                                   | 4.2   |                                                                   | 1.48        |
| Ethylbenzene                                                                          | 1.6                                                   | 0.5   |                                                                   | 0.35 UJ     |
| Heptane                                                                               | NC                                                    | NC    |                                                                   | 0.25 U      |
| Hexane                                                                                | 2.7                                                   | NC    |                                                                   | 3.03        |
| Methylene Chloride                                                                    | 3                                                     | NC    | 60                                                                | 1.67        |
| 1,1,2,2-Tetrachloroethane                                                             | NC                                                    | <0.25 |                                                                   | 0.69 UJ     |
| Tetrachloroethene (PCE)                                                               | 3                                                     | 0.3   | 100                                                               | 1.29        |
| Toluene                                                                               | 16.3                                                  | 2.4   |                                                                   | 2.15        |
| Trichloroethene (TCE)                                                                 | <1.6                                                  | <0.25 | 5                                                                 | 0.21 U      |
| Trichlorofluoromethane                                                                | 2.8                                                   | 2.2   |                                                                   | 0.9         |
| 1,1,2-Trichlorotrifluoroethane                                                        | NC                                                    | 1.1   |                                                                   | 0.31 U      |
| 1,2,4-Trimethylbenzene                                                                | 3.1                                                   | 0.8   |                                                                   | 0.49 UJ     |
| 2,2,4-Trimethylpentane                                                                | NC                                                    | NC    |                                                                   | 0.19 U      |
| o-Xylene                                                                              | 2.6                                                   | 0.7   |                                                                   | 0.3 UJ      |
| m&p-Xylenes                                                                           | 7.3                                                   | 0.5   |                                                                   | 0.96 J      |

**Notes:**

Exceedances of the reported 75th percentile background concentrations are in **bold text**.

NYSDOH 2003: Study of volatile organic chemicals in air of fuel oil heated homes

NYSDOH 2006: Guidance for Evaluating Soil Vapor Intrusion in the State of New York

EPA 2001: Building assessment and survey evaluation (BASE) database

Q - Qualifiers

U - Not detected

J - Estimated value

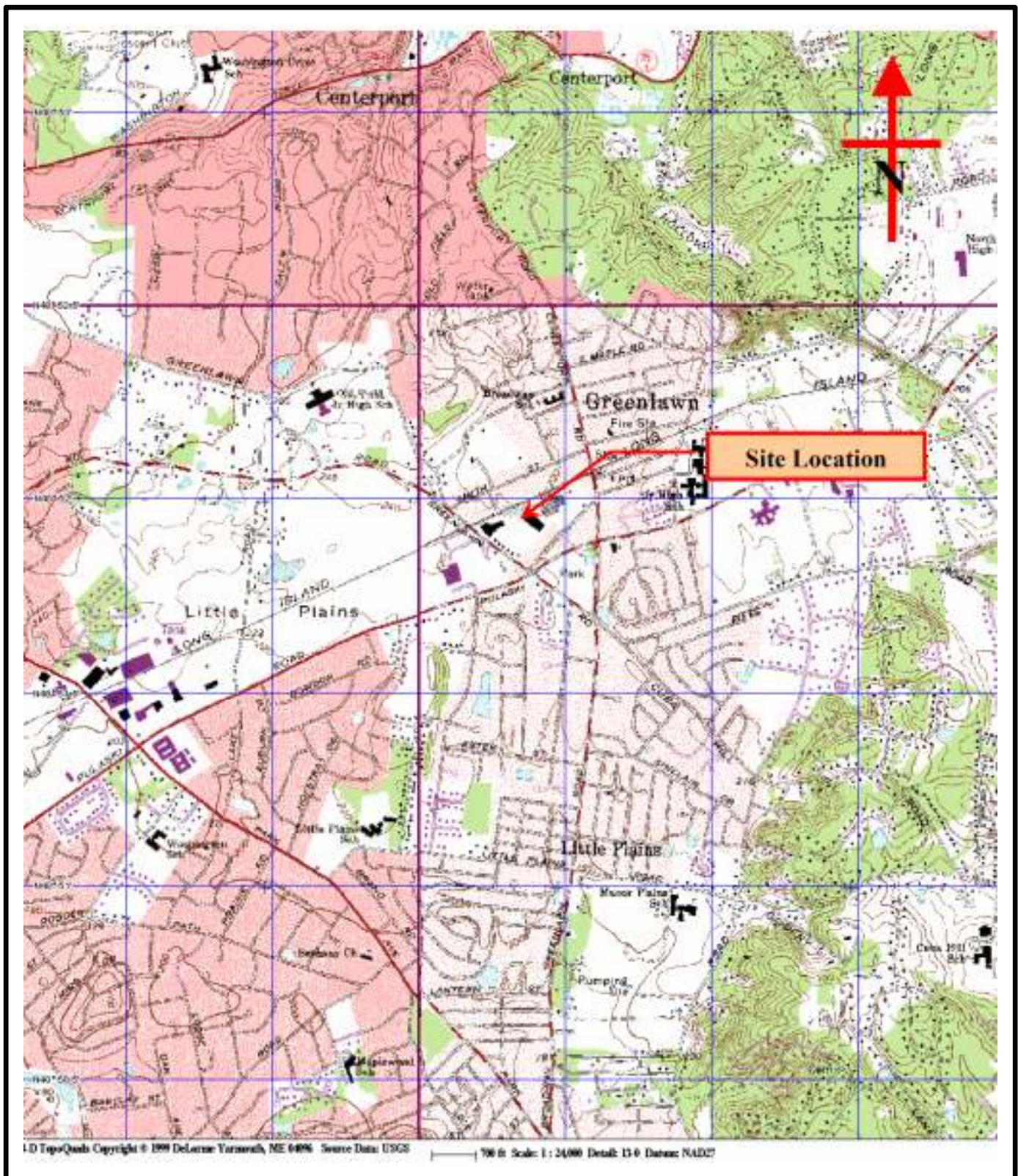
NC - No criteria available

**TABLE 5**  
**HAZELTINE CORPORATION (SITE # 152005)**  
**COMPARISON OF INDOOR AIR LEVELS TO THE NYSDOH DECISION MATRICES**

| COMPOUND                 | DOH Matrix | SS-1 Subslab | SS-2 Subslab | IA-1 Indoor | OA-1 Outdoor | Max Subslab Range | Indoor Air Range | Recommendations   |
|--------------------------|------------|--------------|--------------|-------------|--------------|-------------------|------------------|-------------------|
| Tetrachloroethene (PCE)  | 2          | 47.6         | 8,978        | 28          | 1.29         | >1000             | 3-30             | Mitigate          |
| 1,1,1-Trichloroethane    | 2          | 0.87         | 145          | 0.44 J      | 0.22 U       | 100-1000          | <3               | Monitor           |
| Trichloroethene (TCE)    | 1          | 0.43         | 123          | 0.27        | 0.21 U       | 50-250            | 0.25-1           | Monitor/Mitigate  |
| 1,1-Dichloroethene       | 2          | 0.2 U        | 18.5         | 0.2 U       | 0.2 U        | <100              | <3               | No Further action |
| cis-1,2-Dichloroethene   | 2          | 0.24 U       | 94.4         | 0.24 U      | 0.24 U       | <100              | <3               | No Further action |
| trans-1,2-Dichloroethene | 2          | 6.94         | 8.6          | 5.35        | 0.44         | <100              | 3-30             | Reasonable Action |
| Carbon tetrachloride     | 1          | 0.44         | 0.44         | 0.38        | 0.31         | <5                | 0.25-1           | Reasonable Action |







**AECOM**

PROJECT:

**SOIL VAPOR EVALUATION  
HAZELTINE CORPORATION**

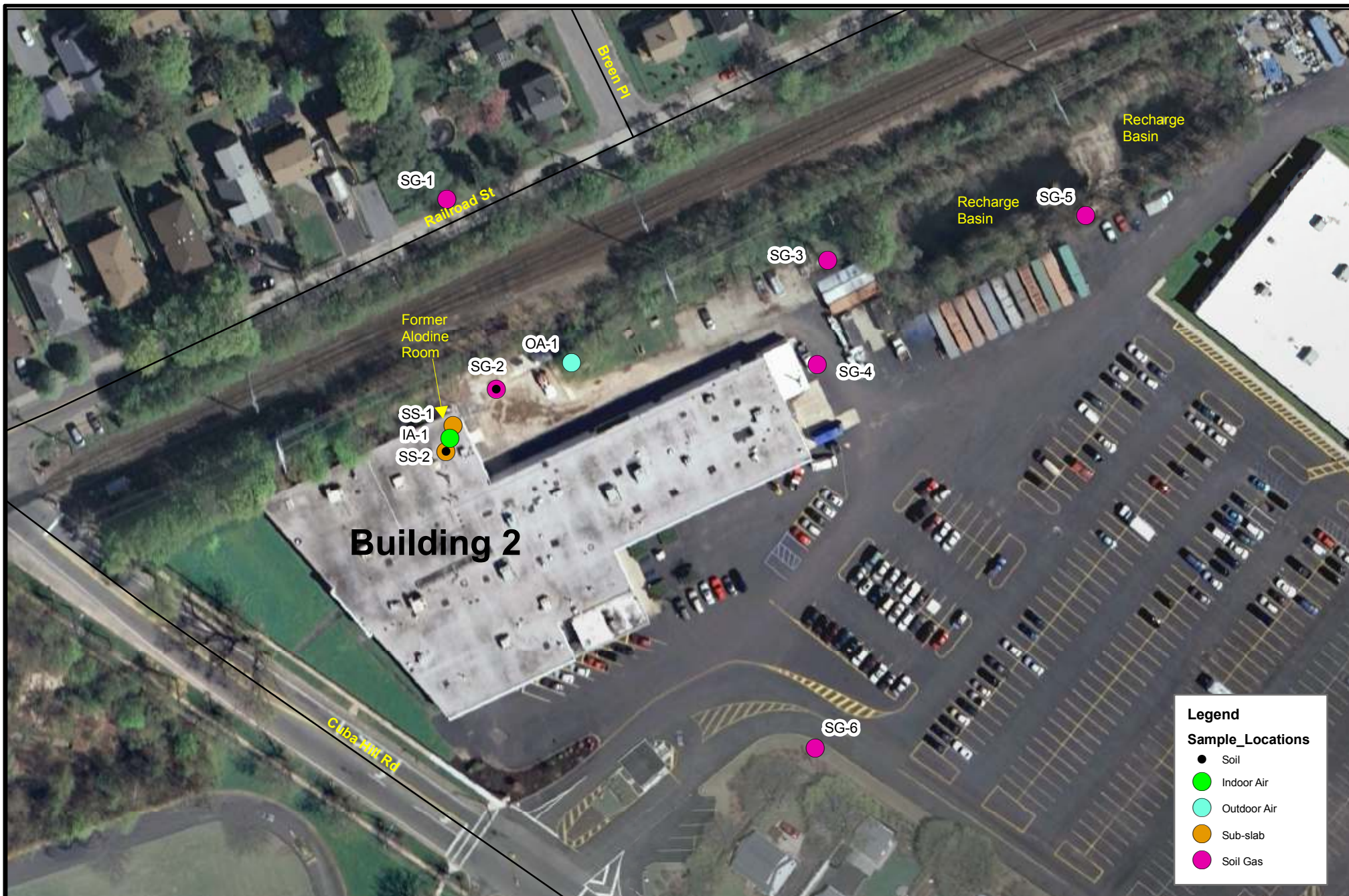
Cuba Hill Road & Railroad Street, Greenlawn, NY

**Site Location Map**

Project No. 60133667

Figure 1

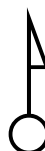




**NYSDEC Site No.1-52-005**

Hazeltine Corporations  
5 Cuba Hill Road  
Greenlawn, New York 11740

0 50 100 200 Feet



Prepared for:



Prepared by:

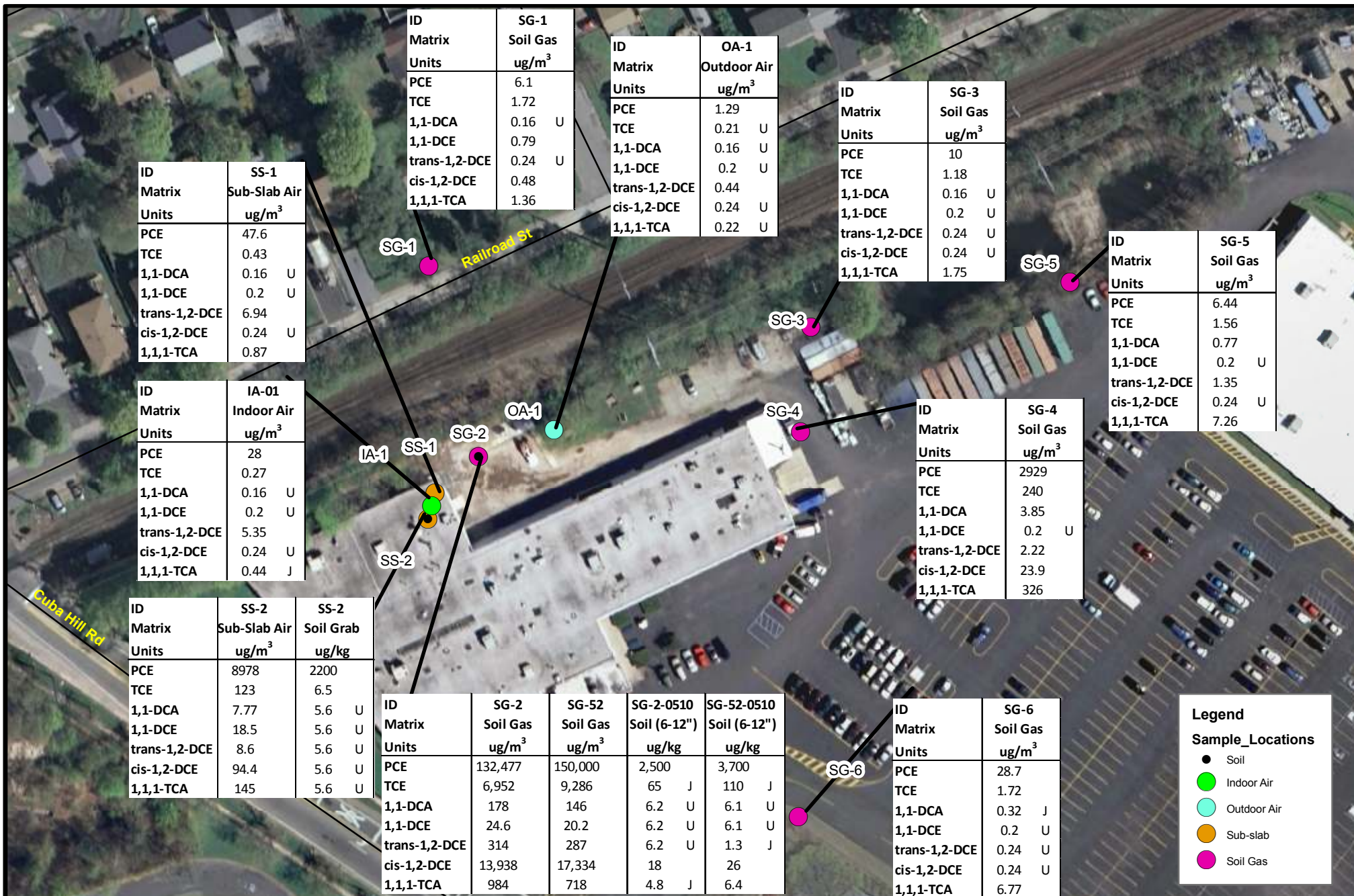
**AECOM**

Sample Location Map

Project No: 60133667

Figure No: 2



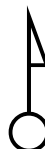


# NYSDEC Site No.1-52-005

Hazeltine Corporations  
5 Cuba Hill Road  
Greenlawn, New York 11740

Note:  
1,2-Dichloroethane, 1,1,2,2-tetrachloroethane,  
1,1,2-trichloroethane, and vinyl chloride were not detected.

0 50 100 200  
Feet



Prepared for:



Prepared by:

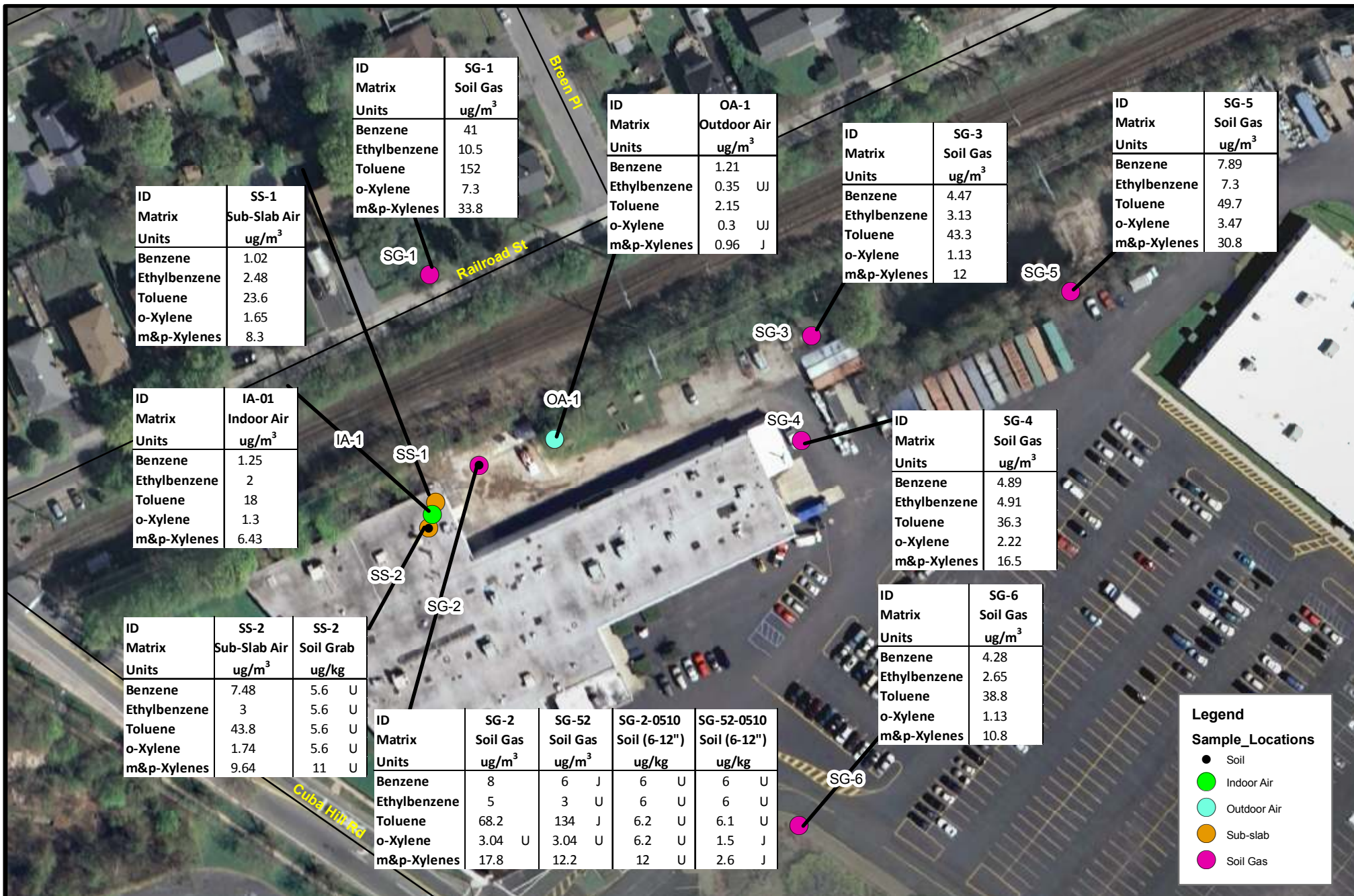
**AECOM**

Chlorinated Hydrocarbon Concentrations

Project No: 60133667

Figure No: 3

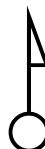




NYSDEC Site No.1-52-005

Hazeltine Corporations  
 5 Cuba Hill Road  
 Greenlawn, New York 11740

0 50 100 200 Feet



Prepared for:



Prepared by:

AECOM

BTEX Concentrations

Project No: 60133667

Figure No: 4

**APPENDIX A**  
**Indoor Air Quality Questionnaire**  
**Building Inventory**  
**Field Logs**



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 Claire Hunt Date/Time Prepared 4/1/10 1030

Preparer's Affiliation Aecom Phone No. 973 3386680

Purpose of Investigation Site Assessment

1. OCCUPANT:

Interviewed: Y/N

Last Name: Bendy First Name: Bob

Address: Cuba Hill Rd, Greenlawn NY

County: Suffolk

Home Phone: NA Office Phone: 631-912-2807

Number of Occupants/persons at this location \_\_\_\_\_ Age of Occupants \_\_\_\_\_

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

Interviewed: Y/N

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_

Address: \_\_\_\_\_

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) OFFICES, manufacturing

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

Other characteristics:

Number of floors 1

Building age ~ 80 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

N/A

Airflow near source

Stagnant

Outdoor air infiltration

In from outside

Infiltration into air ducts

~~None present~~, vacuum hood in NE corner of room  
None present that are turned on.



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

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: N/A full crawlspace slab other \_\_\_\_\_
- c. Basement floor: N/A concrete dirt stone other \_\_\_\_\_
- d. Basement floor: N/A 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: N/A wet damp dry moldy
- i. The basement is: N/A finished unfinished partially finished
- j. Sump present? Y (N)
- k. Water in sump? Y / N / not applicable

Basement/Lowest level depth below grade: N/A (feet)

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

None visible

## 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: \_\_\_\_\_

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.

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## 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 N/A

1<sup>st</sup> Floor offices/manufacturing

2<sup>nd</sup> Floor N/A

3<sup>rd</sup> Floor N/A

4<sup>th</sup> Floor N/A

## 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? unknown

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? \_\_\_\_\_

h. Have cleaning products been used recently?

Y / N When & Type? unknown

i. Have cosmetic products been used recently?

Y / N When & Type? \_\_\_\_\_

Section of building being tested rarely visited

- 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? \_\_\_\_\_

Applies  
to  
Sample  
room

Are there odors in the building? Y/N

If yes, please describe: in manufacturing areas

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? unknown

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)  
Yes, use dry-cleaning infrequently (monthly or less)  
Yes, work at a dry-cleaning service

No  
Unknown

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)

- 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



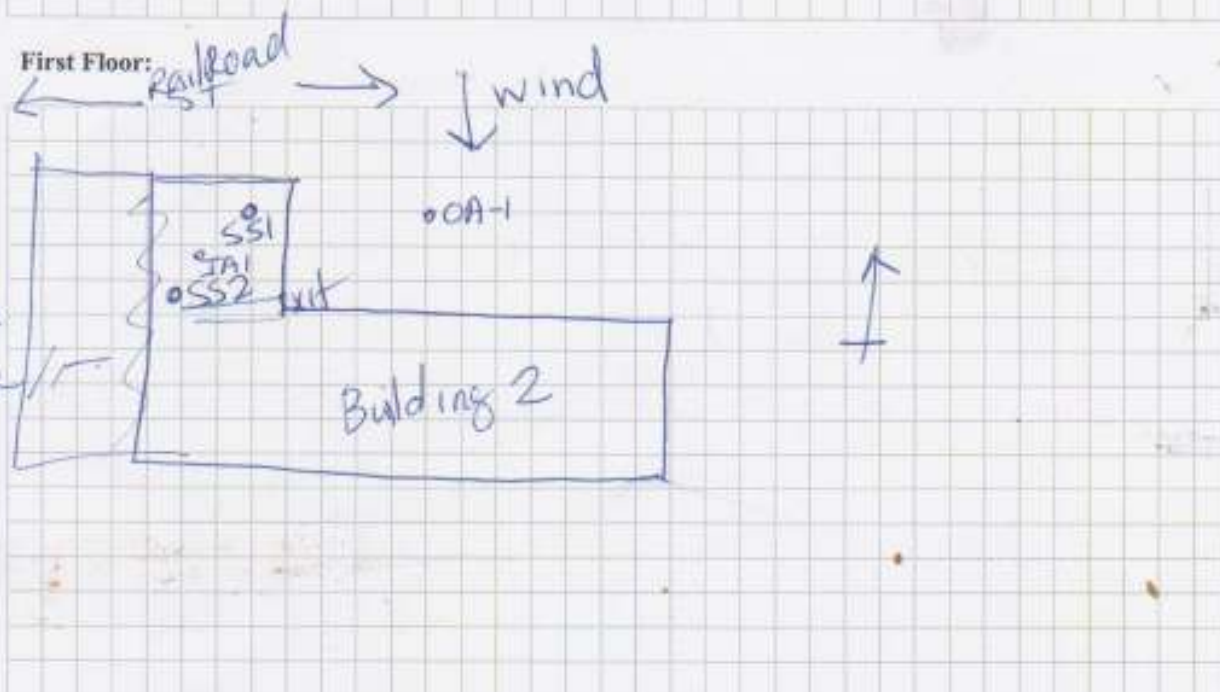
## 11. FLOOR PLANS

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.

Basement:

N/A

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.



## 13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PID Mini Rae

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

Photos not  
allowed

| Location   | Product Description                         | Size (units) | Condition* | Chemical Ingredients                                                      | Field Instrument Reading (units) | Photo**<br>Y/N |
|------------|---------------------------------------------|--------------|------------|---------------------------------------------------------------------------|----------------------------------|----------------|
| Sample Rm  | PTB Concentrated SuperPTB cleaner degreaser | 5gal         |            |                                                                           |                                  | N              |
|            | Lumaforte limescale and milkstone remover   | 5gal         |            |                                                                           |                                  |                |
|            | DT light                                    | 5gal         |            | premium quality turbine and general purpose R&O inhibited circulating oil |                                  |                |
|            | Supercut TALS soluble cutting oil           | 55gal drum   |            |                                                                           |                                  |                |
|            | Kapronal egallens - REMOVED before sampling |              |            |                                                                           |                                  | ✓              |
|            | Barnesite preva polish                      |              |            |                                                                           |                                  |                |
| Paint shop | Dial soap                                   |              |            |                                                                           |                                  |                |
|            | Ceramic Pellets                             |              |            |                                                                           |                                  |                |
|            | Kaco 570B emulsion ragged                   |              |            |                                                                           |                                  |                |
|            | toluene                                     |              |            |                                                                           |                                  |                |
|            | MEK                                         |              |            |                                                                           |                                  |                |
|            | MIBK                                        |              |            |                                                                           |                                  |                |
|            | ethylacetate                                |              |            |                                                                           |                                  |                |
|            | Defchem 0364292 Base Base and ktyl          |              |            |                                                                           |                                  |                |
|            | SPRAYING DAILY                              |              |            |                                                                           |                                  |                |
|            | Dgt 024-040A                                |              |            |                                                                           |                                  |                |
|            | CAAPCOAT Polyurethane A200QT                |              |            |                                                                           |                                  |                |
|            | CAAP COAT Fluoroelastomer                   |              |            |                                                                           |                                  |                |

\* 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.

Storage Rm & Work Room have separate exhausts



# Summa Canister Sampling Field Data Sheet

Site: Hazlet, MI  
 Samplers: Griffin, Hunt  
 Date: 4/12/2010

|                                             |                                                                                                                                  |           |                   |                         |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|-------------------------|
| Sample#                                     | SSI                                                                                                                              | SS2       | IA-1              | OA-1                    |
| Location                                    | NE Corner                                                                                                                        | SW Corner | Building A        | Outside Building        |
| Summa Canister ID                           | 10328                                                                                                                            | 10298     | between SS1 & SS2 | by SS-4 on picnic table |
| Flow Controller ID                          | 10781                                                                                                                            | 10530     | 10585             | 10227                   |
| Additional Tubing Added                     | Y                                                                                                                                | Y         | N                 | N                       |
| How much?                                   | 3FT                                                                                                                              | 3FT       |                   |                         |
| Purge Time (Start)                          | 1030                                                                                                                             | 1048      |                   |                         |
| Purge Time (Stop)                           | 1035                                                                                                                             | 1053      | N/A               | N/A                     |
| Total Purge Time (min)                      | 5                                                                                                                                | 5         |                   |                         |
| Purge Volume                                | 1 L                                                                                                                              | 1 L       |                   |                         |
| Trace Gas Results                           | NA                                                                                                                               | NA        | NA                | NA                      |
| Pressure Gauge - Before Sampling (" Hg)     | -29                                                                                                                              | -29       | -30 <sup>+</sup>  | -30 <sup>+</sup>        |
| Sample Time (Start)                         | 1111                                                                                                                             | 1113      | 1112              | 1129                    |
| Sample Time (Stop)                          | 1911                                                                                                                             | 1913      | 1912              | 1929                    |
| Total Sample Time (min)                     | 480                                                                                                                              | 480       | 480               | 480                     |
| Pressure Gauge - After Sampling (" Hg)      | -10.5                                                                                                                            | -12       | -13               | -10                     |
| Sample Volume                               | 6 L                                                                                                                              | 6 L       | 6 L               | 6 L                     |
| Canister Pressure Went to Ambient Pressure? | NU                                                                                                                               | No        | No                | No                      |
| Weather 24 hours before and during sampling | -3/11, drizzle cloudy 60°F high<br>-4/1, sunny 70°F high                                                                         |           |                   |                         |
| General Comments                            | Purge PID 2 ppm 51.8 ppm NA NA<br>For 3 connections zip ties originally used, changed to hose clamps w/o disconnecting<br>1 of 3 |           |                   |                         |

## Summa Canister Sampling Field Data Sheet

Site:

Hazelton, Chaut

Samplers:

Date:

4/1/2010

|                                             |                        |                        |                        |             |                        |
|---------------------------------------------|------------------------|------------------------|------------------------|-------------|------------------------|
| Sample#                                     | S66                    | S65                    | S62                    | S652        | S63                    |
| Location                                    | Byrd's mine            | Byrd's mine            | Byrd's mine            | Byrd's mine | NE of building 2       |
| Summa Canister ID                           | 10024                  | 10025                  | 10025                  | 10195       | 10296                  |
| Flow Controller ID                          | 10708                  | 10770                  | 10643                  | 10528       | 10521                  |
| Additional Tubing Added                     | No                     | Yes 2 FT               | NO                     | ←           | NO                     |
| How much?                                   |                        |                        |                        |             |                        |
| Purge Time (Start)                          | 1313                   | 1409                   | 1443                   | ←           | 1522                   |
| Purge Time (Stop)                           | 1319                   | 1416                   | 1449                   | ←           | 1527                   |
| Total Purge Time (min)                      | 6                      | 5                      | 6                      | ←           | 5                      |
| Purge Volume                                | 1 L 9.7 ppm            | 1 L 6.1 ppm            | 1 L 27.4 ppm           | ←           | 1 L 8 ppm              |
| Trace Gas Results                           | 0/55.9% O <sub>2</sub> | 0/37.8% O <sub>2</sub> | 0/45.0% O <sub>2</sub> | ←           | 0/58.7% O <sub>2</sub> |
| Pressure Gauge - Before Sampling (" Hg)     | -29                    | -29                    | -29.5                  | -22         | -30*                   |
| Sample Time (Start)                         | 1357                   | 1430                   | 1447/150               | 1511        | 1547                   |
| Sample Time (Stop)                          | 1553                   | 1623                   | 1648                   | 1649        | 1729                   |
| Total Sample Time (min)                     | 116                    | 113                    | 98                     | 98          | 102                    |
| Pressure Gauge - After Sampling (" Hg)      | -4                     | -6                     | -4                     | -6          | -6                     |
| Sample Volume                               | 6 L                    | 6 L                    | 6 L                    | 6 L         | 6 L                    |
| Canister Pressure Went to Ambient Pressure? | N                      | N                      | N                      | N           | N                      |

Weather 24 hours before and during sampling

General Comments

See page 1

Original tubing size 1/4 x 3/8" if no additional was added than the tubing was attached directly to flow controller and connection reinforced with a hose clamp. If additional tubing was added 1/2 x 1/4" slide into other tubing and reinforced with hose clamp. Additional tubing than attached using swagelok fitting.

2 of 3



# Summa Canister Sampling Field Data Sheet

Site: Hazlet  
 Date: 4/1/2010  
 Sampler: SP-1000

|                                             |                |               |                                       |     |
|---------------------------------------------|----------------|---------------|---------------------------------------|-----|
| Sample#                                     | 554            | 561           | 562                                   | 563 |
| Location                                    | First Building | Notes on Rest | East corner of 71 Blvd Road St on ROW |     |
| Summa Canister ID                           | 10282          | 10318         |                                       |     |
| Flow Controller ID                          | 10617          | 10567         |                                       |     |
| Additional Tubing Added                     | yes 15ft       | N             |                                       |     |
| How much?                                   |                |               |                                       |     |
| Purge Time (Start)                          | 1602           | 1633          |                                       |     |
| Purge Time (Stop)                           | 1607           | 1638          |                                       |     |
| Total Purge Time (min)                      | 5              | 5             |                                       |     |
| Purge Volume                                | 1L 4.6ppm      | 1L 3.6ppm     |                                       |     |
| Trace Gas Results                           | 0/46%          | 0/45%         |                                       |     |
| Pressure Gauge - Before Sampling (" Hg)     | -27            | -28           |                                       |     |
| Sample Time (Start)                         | 1618           | 1652          |                                       |     |
| Sample Time (Stop)                          | 1742           | 1852          |                                       |     |
| Total Sample Time (min)                     | 84             | 180           |                                       |     |
| Pressure Gauge - After Sampling (" Hg)      | -4             | -5            |                                       |     |
| Sample Volume                               | 10L            | 4L            |                                       |     |
| Canister Pressure Went to Ambient Pressure? | N              | N             |                                       |     |

Weather 24 hours before and during sampling  
 General Comments  
 See note on page 2

Box 3

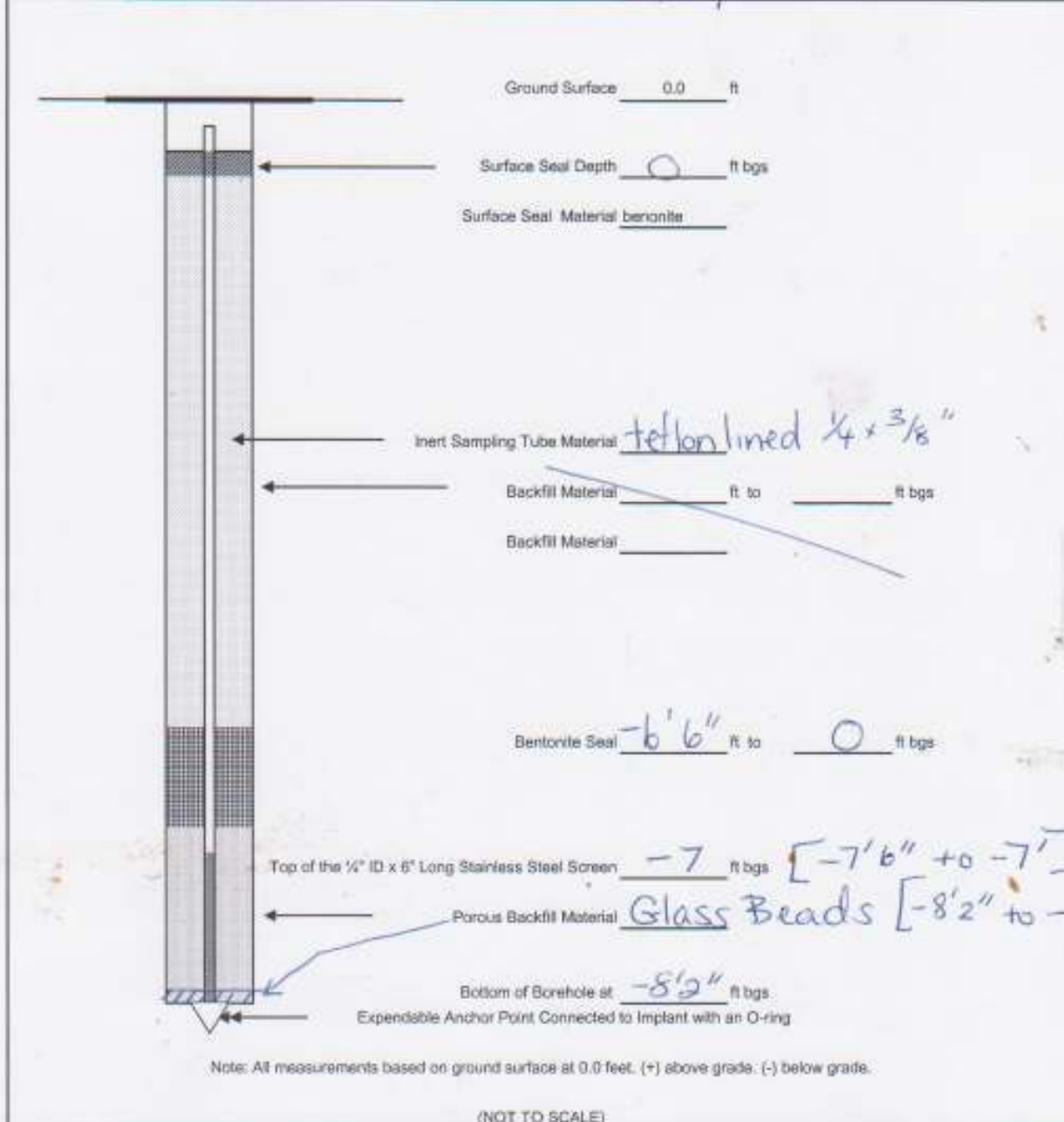
# AECOM

## SOIL VAPOR CONSTRUCTION LOG

Boring No. SG 1

on RR St  
East corner  
of 71 Railroad  
St. property  
in Right  
of Way

|                           |                                        |             |
|---------------------------|----------------------------------------|-------------|
| Project: <u>Hazeltine</u> | Location: <u>Greenbawn NY</u>          | Page 1 of 1 |
| Project No.:              | Subcontractor: <u>Aztech</u>           |             |
| Surface Elevation:        | Driller: <u>Ray Hammond</u>            |             |
|                           | AECOM Rep.: <u>C Foster</u>            |             |
| Datum: NAVD 1988          | Date of Construction: <u>3/31/2010</u> |             |



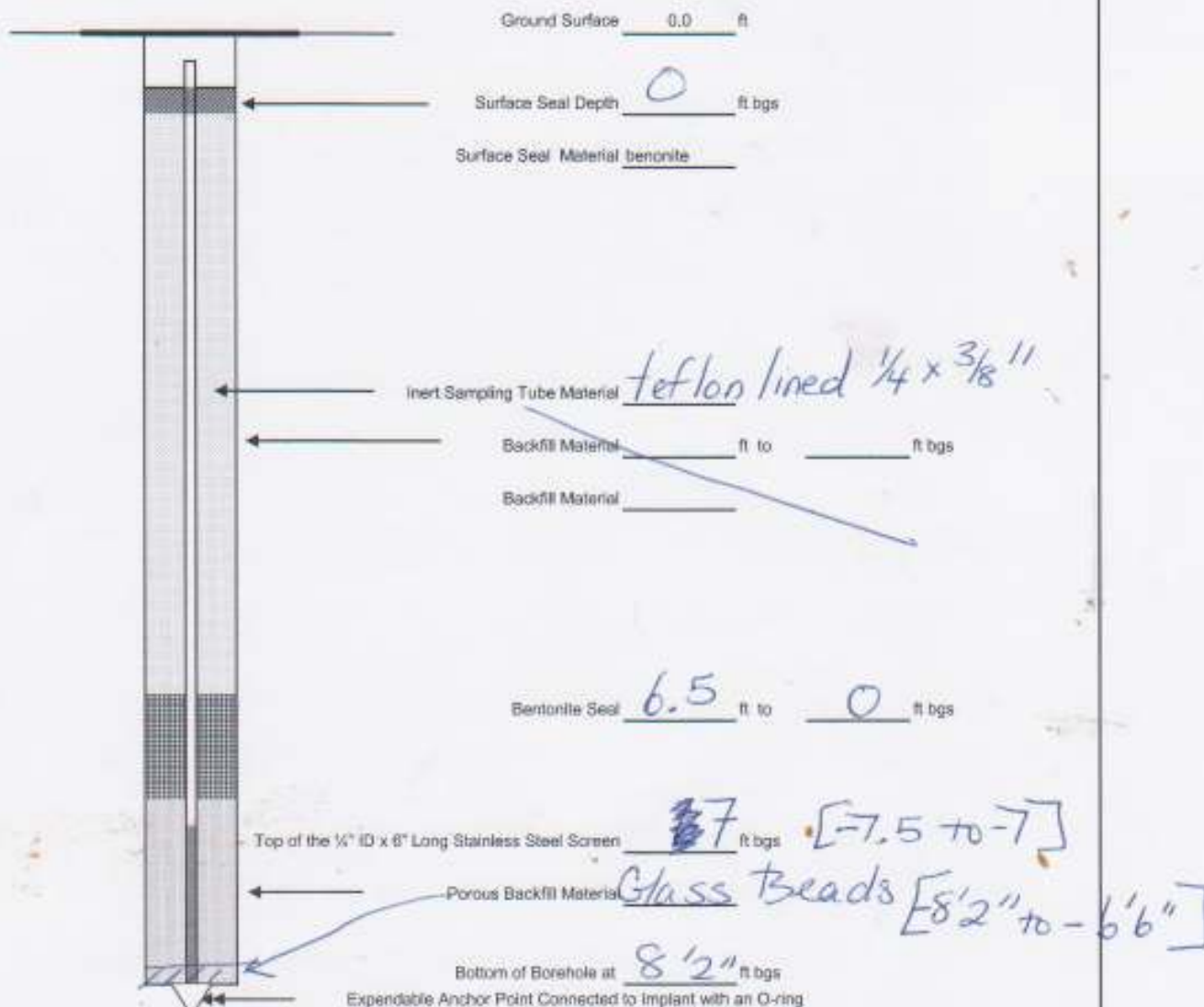
AECOM

## SOIL VAPOR CONSTRUCTION LOG

Boring No.

SG2

|                           |                                        |             |
|---------------------------|----------------------------------------|-------------|
| Project: <u>Hazeltine</u> | Location: <u>Greenlawn NY</u>          | Page 1 of 1 |
| Project No.:              | Subcontractor: <u>Aztech</u>           |             |
| Surface Elevation:        | Driller: <u>Ray Hammond</u>            |             |
|                           | AECOM Rep.: <u>C. Foster</u>           |             |
| Datum: NAVD 1988          | Date of Construction: <u>3/31/2010</u> |             |



Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

(NOT TO SCALE)

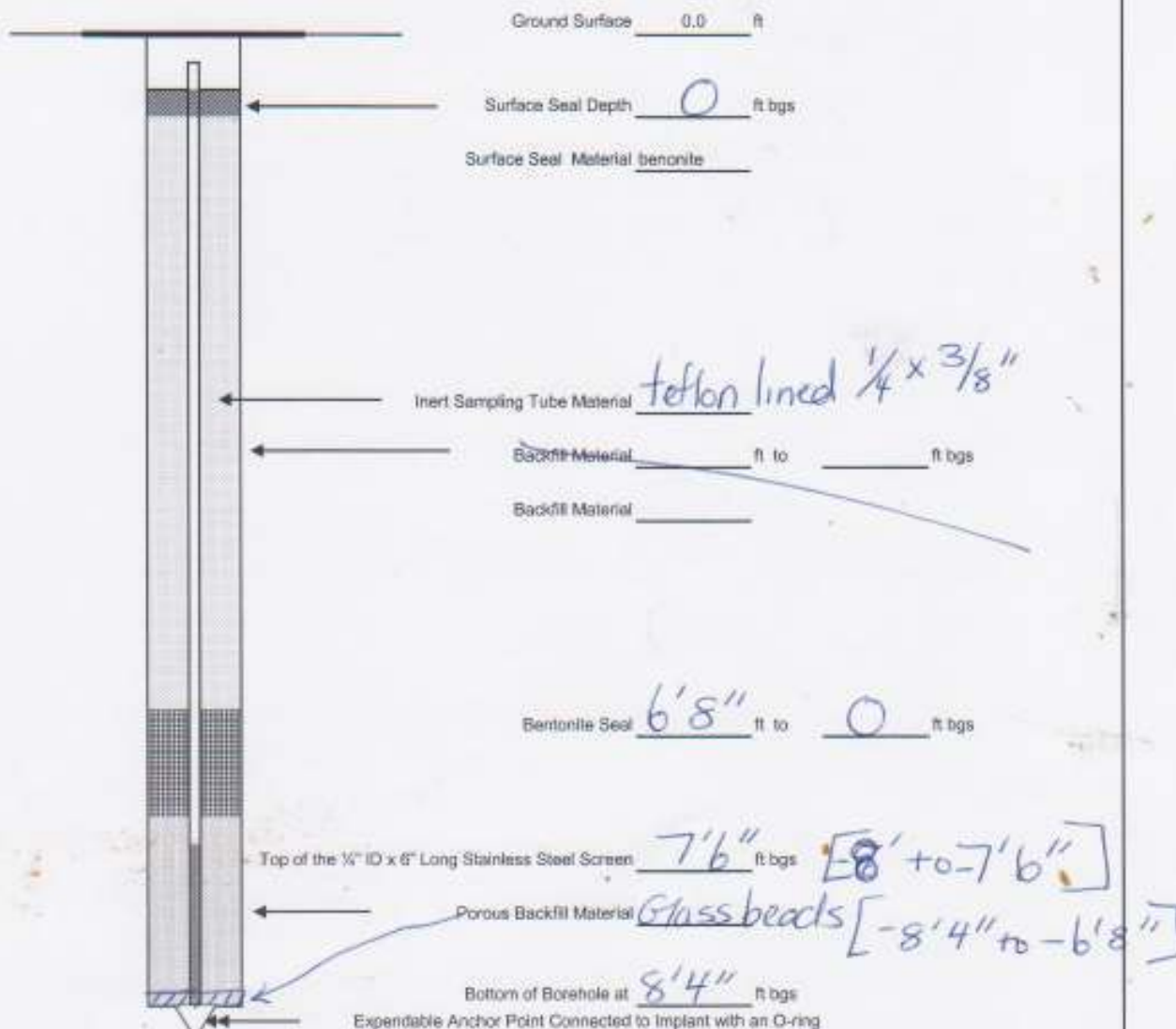


# AECOM

## SOIL VAPOR CONSTRUCTION LOG

Boring No. SG3

|                           |                                        |             |
|---------------------------|----------------------------------------|-------------|
| Project: <u>Hazeltine</u> | Location: <u>Greenlawn, NY</u>         | Page 1 of 1 |
| Project No.:              | Subcontractor: <u>Aztech</u>           |             |
| Surface Elevation:        | Driller: <u>Ray Hammond</u>            |             |
|                           | AECOM Rep.: <u>Choster</u>             |             |
| Datum: NAVD 1988          | Date of Construction: <u>3/31/2010</u> |             |



Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

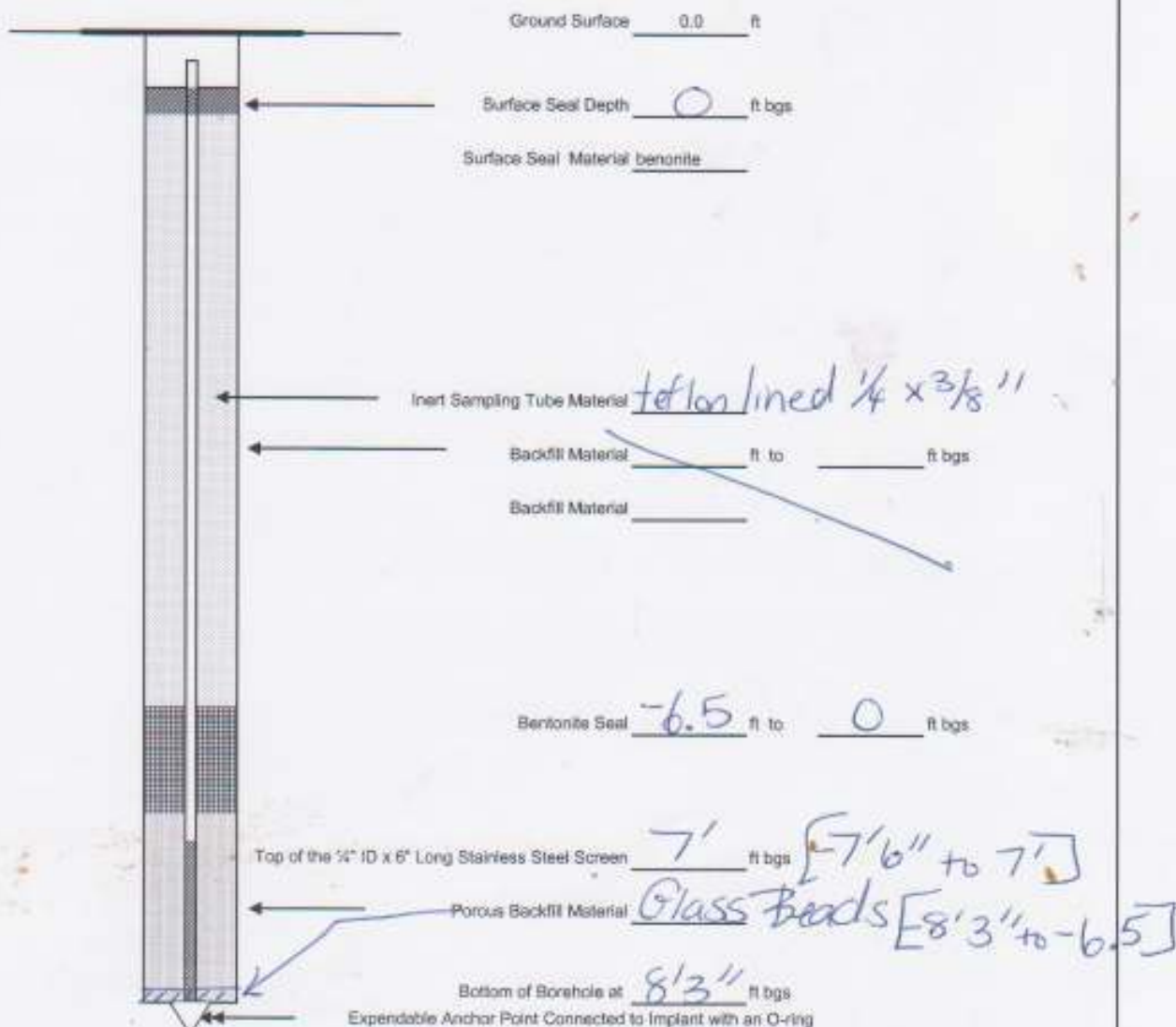
(NOT TO SCALE)

# AECOM

## SOIL VAPOR CONSTRUCTION LOG

Boring No. SG4

|                           |                                        |             |
|---------------------------|----------------------------------------|-------------|
| Project: <u>Hazeltine</u> | Location: <u>Greenlawn NY</u>          | Page 1 of 1 |
| Project No.:              | Subcontractor: <u>Aztech</u>           |             |
| Surface Elevation:        | Driller: <u>Ray Hammond</u>            |             |
|                           | AECOM Rep.: <u>C Foster</u>            |             |
| Datum: NAVD 1988          | Date of Construction: <u>3/31/2010</u> |             |



Note: All measurements based on ground surface at 0.0 feet. (+) above grade, (-) below grade.

(NOT TO SCALE)

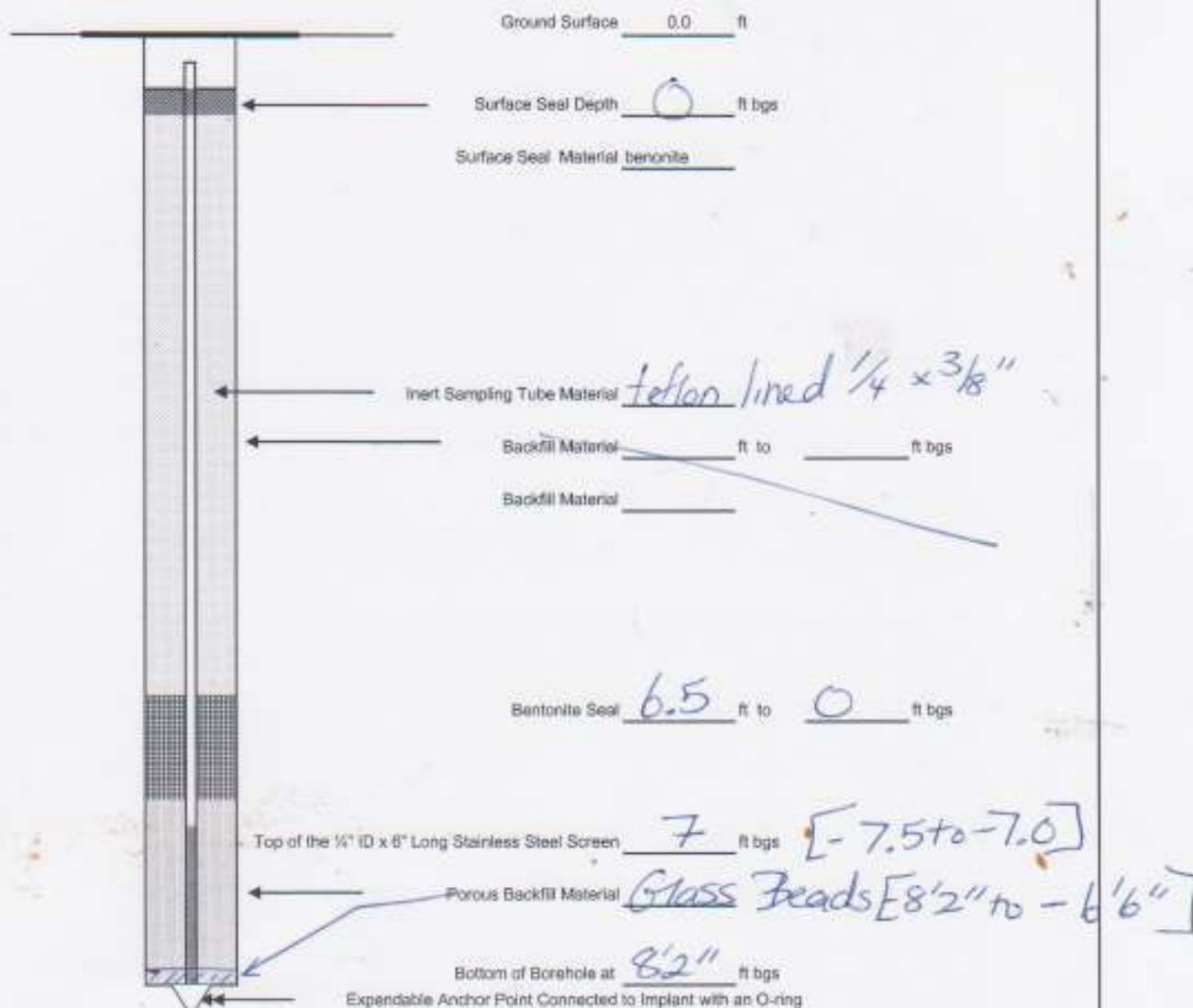
AECOM

## SOIL VAPOR CONSTRUCTION LOG

Boring No.

S65

|                           |                                        |             |
|---------------------------|----------------------------------------|-------------|
| Project: <u>Hazeltine</u> | Location: <u>Greenlawn NY</u>          | Page 1 of 1 |
| Project No.:              | Subcontractor: <u>Aztech</u>           |             |
| Surface Elevation:        | Driller: <u>Ray Hammond</u>            |             |
|                           | AECOM Rep.: <u>C Foster</u>            |             |
| Datum: NAVD 1988          | Date of Construction: <u>3/31/2010</u> |             |



Note: All measurements based on ground surface at 0.0 feet. (+) above grade, (-) below grade.

(NOT TO SCALE)

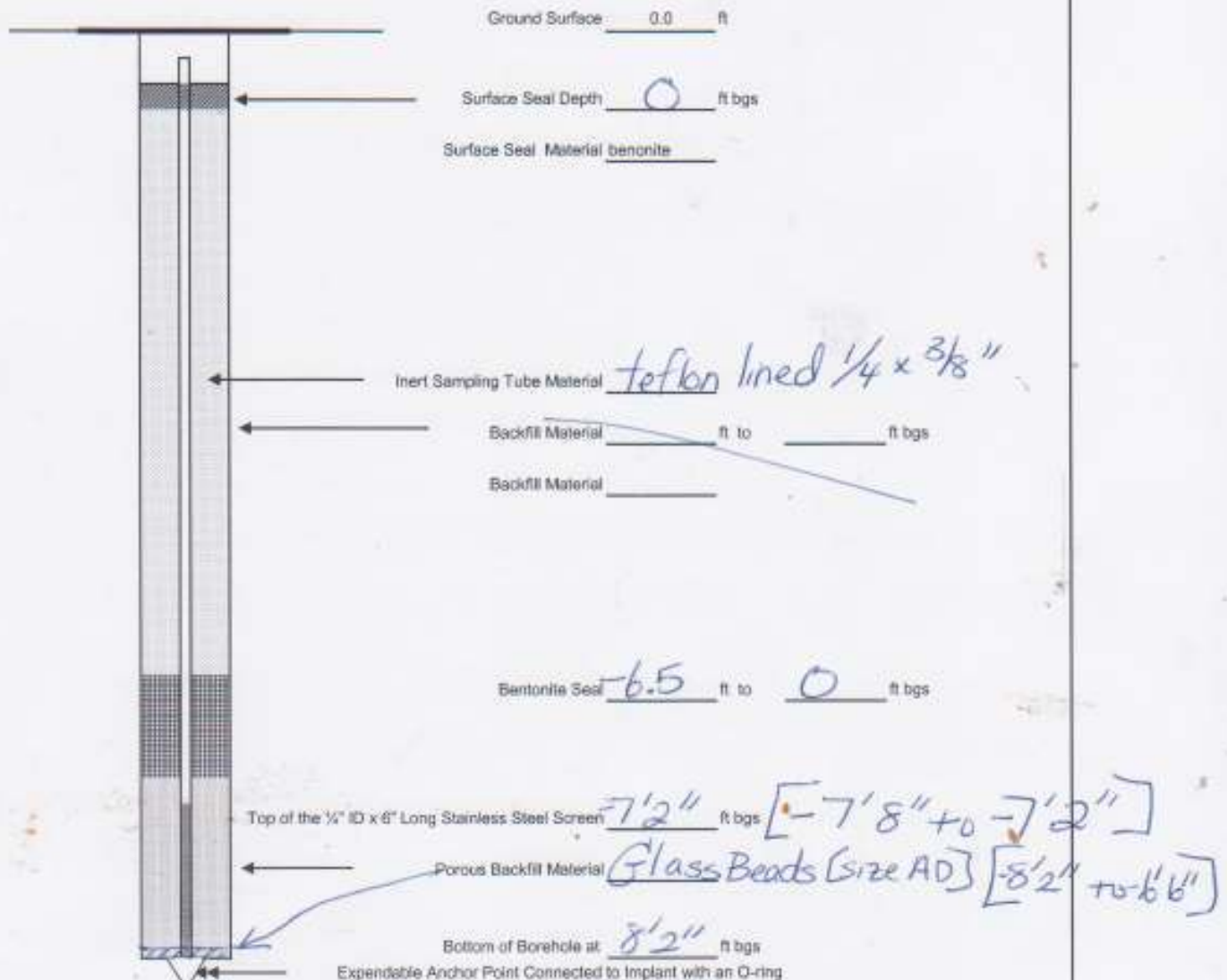
# AECOM

## SOIL VAPOR CONSTRUCTION LOG

Boring No.

SG6

|                           |                                        |             |
|---------------------------|----------------------------------------|-------------|
| Project: <u>Hazeltine</u> | Location: <u>Greenlawn NY</u>          | Page 1 of 1 |
| Project No.:              | Subcontractor: <u>Aztech</u>           |             |
| Surface Elevation:        | Driller: <u>Ray Hammond</u>            |             |
|                           | AECOM Rep.: <u>C. Foster</u>           |             |
| Datum: NAVD 1988          | Date of Construction: <u>3/31/2010</u> |             |



Note: All measurements based on ground surface at 0.0 feet; (+) above grade; (-) below grade.

(NOT TO SCALE)



# AECOM

## SOIL EXPLORATION LOG

Boring No.: SG-1

|                                         |                                    |                       |
|-----------------------------------------|------------------------------------|-----------------------|
| PROJECT: <u>Hazeltine</u>               | CONTRACTOR: <u>Aztech</u>          | PAGE 1 OF 1           |
| PROJECT No.:                            | DRILLERS NAME: <u>Ray Hammond</u>  | DATE: <u>2/3/2010</u> |
| LOCATION: Long Island City, NY          | AECOM REP: <u>Croster</u>          |                       |
| DESIGNATION OF DRILL RIG: <u>610 BT</u> |                                    |                       |
| SIZE AND TYPE OF EQUIPMENT: Geoprobe    |                                    |                       |
| REFERENCE ELEVATION: GS                 | DEPTH OF BOREHOLE: <u>8</u> ft bgs |                       |
| LABORATORY ANALYSES: NONE               |                                    |                       |

| Depth (ft) | Sample Number & Time | Rec. (in) | PID Readings (ppm) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                   |
|------------|----------------------|-----------|--------------------|----------------------------------------------------------------------------------------------------|
|            |                      |           |                    | Use Uniform Soil Classification                                                                    |
| 1          |                      |           | 0                  | 0-6 topsoil wet, no odors, no staining                                                             |
| 2          |                      | 20/60     | 0                  | 6-24 yellowish orange medium sand, trace fine sand, trace coarse sand, damp, no odors, no staining |
| 3          | S1                   |           | 0                  |                                                                                                    |
| 4          | 100                  |           |                    | 24-30 yellowish orange, coarse sand, some medium sand, trace fine sands, damp                      |
| 5          |                      |           | 0                  | no odors, no staining                                                                              |
| 6          |                      |           | 0                  | 8-24 same as above                                                                                 |
| 7          | S2                   | 24/36     | 0                  |                                                                                                    |
| 8          | 1620                 |           |                    |                                                                                                    |
| 9          |                      |           |                    | end of boring @ 8'2"                                                                               |
| 10         |                      |           |                    |                                                                                                    |
| 11         |                      |           |                    |                                                                                                    |
| 12         |                      |           |                    |                                                                                                    |
| 13         |                      |           |                    |                                                                                                    |
| 14         |                      |           |                    |                                                                                                    |
| 15         |                      |           |                    |                                                                                                    |
| 16         |                      |           |                    |                                                                                                    |
| 17         |                      |           |                    |                                                                                                    |
| 18         |                      |           |                    |                                                                                                    |
| 19         |                      |           |                    |                                                                                                    |
| 20         |                      |           |                    |                                                                                                    |



# AECOM

## SOIL EXPLORATION LOG

Boring No.: SG2

PROJECT: Hazeltine PAGE 1 OF 1  
 PROJECT No.: \_\_\_\_\_ CONTRACTOR: Aztech DATE: 3/31/2010  
 LOCATION: Long Island City, NY DRILLERS NAME: Ray Hammond AECOM REF: CR1001  
 DESIGNATION OF DRILL RIG: 1000 BT  
 SIZE AND TYPE OF EQUIPMENT: Geoprobe  
 REFERENCE ELEVATION: GS DEPTH OF BOREHOLE: 8 ft bgs  
 LABORATORY ANALYSES: NONE

| Depth (ft) | Sample Number & Time | Rec. (in) | PID Readings (ppm) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                    |
|------------|----------------------|-----------|--------------------|-------------------------------------------------------------------------------------|
|            |                      |           |                    | Use Uniform Soil Classification                                                     |
| 1          |                      |           | 2.6                | <del>0-12 Light Brown medium sand, some coarse</del>                                |
| 2          | 1345 4/160           | 4 1/160   | 2.5                | 0-12 Light Brown medium sand, some coarse trace fine sand, damp, no odors, no stain |
| 3          | 81                   |           | 0.4                | 12-24 yellowish orange fine sand, damp, no odors, no staining                       |
| 4          |                      |           | 0                  | 24-40 yellowish orange medium sand, some coarse sand, damp, no odors, no staining   |
| 5          | X 1350 8/160         | 8 1/160   | 0                  | Same as above                                                                       |
| 6          | 52                   |           | 0.1                |                                                                                     |
| 7          |                      |           | 0.4                |                                                                                     |
| 8          |                      |           |                    | end of boring @ 8'2"                                                                |
| 9          |                      |           |                    |                                                                                     |
| 10         |                      |           |                    |                                                                                     |
| 11         |                      |           |                    |                                                                                     |
| 12         |                      |           |                    |                                                                                     |
| 13         |                      |           |                    |                                                                                     |
| 14         |                      |           |                    |                                                                                     |
| 15         |                      |           |                    |                                                                                     |
| 16         |                      |           |                    |                                                                                     |
| 17         |                      |           |                    |                                                                                     |
| 18         |                      |           |                    |                                                                                     |
| 19         |                      |           |                    |                                                                                     |
| 20         |                      |           |                    |                                                                                     |

\* 1400 Sample Collected @ 6-12 inches for VOCs  
 SG-2-0510  
 and duplicate SG-52-0510

# AECOM

## SOIL EXPLORATION LOG

Boring No.: S63

PROJECT: Hazel I

PROJECT No.:

CONTRACTOR: Aztech

PAGE 1 OF 1

LOCATION: Long Island City, NY Graham

DRILLERS NAME: Ray Hammond

DATE: 3/31/2010

DESIGNATION OF DRILL RIG: U6101

AECOM REP: C. Foster

SIZE AND TYPE OF EQUIPMENT: Geoprobe

REFERENCE ELEVATION: GS

DEPTH OF BOREHOLE: 8 ft bgs

LABORATORY ANALYSES: NONE

| Depth (ft) | Sample Number & Time | Rec. (in) | PID Readings (ppm) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES<br>Use Uniform Soil Classification |
|------------|----------------------|-----------|--------------------|-------------------------------------------------------------------------------------|
| 1          |                      |           | 0                  | 0-6 top soil no odor, no staining, damp                                             |
| 2          |                      | 3 1/2     | 0                  | 6-21 Light brown medium sand, trace coarse sand, no odors, no staining, damp        |
| 3          | S1 1410              |           | 0                  | 21-34 yellowish orange medium sand, trace coarse sand, no odor, no staining, damp   |
| 4          |                      |           |                    |                                                                                     |
| 5          |                      |           |                    |                                                                                     |
| 6          |                      | 19        | 0                  | 1-4 Same as above                                                                   |
| 7          | S2 1420              | 13 1/2    | 0                  | 4-5 dark brown medium sand, trace fine sand no odor, no staining, damp              |
| 8          |                      |           |                    | 5-19 yellowish orange, medium sand, trace coarse sand, no odor, no staining, damp   |
| 9          |                      |           |                    | end of boring @ 8' 4"                                                               |
| 10         |                      |           |                    |                                                                                     |
| 11         |                      |           |                    |                                                                                     |
| 12         |                      |           |                    |                                                                                     |
| 13         |                      |           |                    |                                                                                     |
| 14         |                      |           |                    |                                                                                     |
| 15         |                      |           |                    |                                                                                     |
| 16         |                      |           |                    |                                                                                     |
| 17         |                      |           |                    |                                                                                     |
| 18         |                      |           |                    |                                                                                     |
| 19         |                      |           |                    |                                                                                     |
| 20         |                      |           |                    |                                                                                     |

Boring No.: SG4

[PAGE 1 OF 1]

DATE: 2/3/2010

AECOM REP. (East)

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

DEPTH OF BOREHOLE: 8 ft bgs

LABORATORY ANALYSES: NONE

| Depth<br>(ft) | Sample<br>Number<br>& Time | Rec.<br>(in) | PID<br>Readings<br>(ppm) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                        |
|---------------|----------------------------|--------------|--------------------------|-----------------------------------------------------------------------------------------|
|               |                            |              |                          | Use Uniform Soil Classification                                                         |
| 1             | S1 1500 8/100              |              | 0                        | 0-3 asphalt, gravel                                                                     |
| 2             |                            |              | 0                        | 3-18 Light brown medium sand, some coarse, trace fine sand, damp, no odors, no staining |
| 3             |                            |              | 0                        | 18-20 fill, black coal, asphalt,                                                        |
| 4             |                            |              | 0                        | 20-34 light brown medium sand, some coarse sand, trace fine sand, damp                  |
| 5             |                            |              | 0                        | 0-15 same as above                                                                      |
| 6             | S2 150 33/36               |              | 0                        | 15-16 <del>same as</del> yellowish orange medium sand                                   |
| 7             |                            |              | 0                        | Some fine sand trace clay                                                               |
| 8             |                            |              | 0                        | 16-28 same as (0-15) 28-29 fill<br>29-33 same as (0-15)                                 |
| 9             |                            |              |                          | end of boring @ 8' 3"                                                                   |
| 10            |                            |              |                          |                                                                                         |
| 11            |                            |              |                          |                                                                                         |
| 12            |                            |              |                          |                                                                                         |
| 13            |                            |              |                          |                                                                                         |
| 14            |                            |              |                          |                                                                                         |
| 15            |                            |              |                          |                                                                                         |
| 16            |                            |              |                          |                                                                                         |
| 17            |                            |              |                          |                                                                                         |
| 18            |                            |              |                          |                                                                                         |
| 19            |                            |              |                          |                                                                                         |
| 20            |                            |              |                          |                                                                                         |



# AECOM

## SOIL EXPLORATION LOG

Boring No.: SG5

|                                             |                                    |                        |
|---------------------------------------------|------------------------------------|------------------------|
| PROJECT: <u>Hazeltine</u>                   | CONTRACTOR: <u>Aztech</u>          | PAGE 1 OF 1            |
| PROJECT NO.: <u>Greenham</u>                | DRILLERS NAME: <u>Ray Hammond</u>  | DATE: <u>3/31/2010</u> |
| LOCATION: <u>Long Island City, NY</u>       | AECOM REP: <u>C. Foster</u>        |                        |
| DESIGNATION OF DRILL RIG: <u>60/100</u>     |                                    |                        |
| SIZE AND TYPE OF EQUIPMENT: <u>Geoprobe</u> |                                    |                        |
| REFERENCE ELEVATION: <u>GS</u>              | DEPTH OF BOREHOLE: <u>8</u> ft bgs |                        |
| LABORATORY ANALYSES: <u>NONE</u>            |                                    |                        |

| Depth (ft) | Sample Number & Time | Rec. (in) | PID Readings (ppm) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                 |
|------------|----------------------|-----------|--------------------|----------------------------------------------------------------------------------|
|            |                      |           |                    | Use Uniform Soil Classification                                                  |
| 1          | ↑                    |           | 0                  | 0-2 Dark Brown medium sand, moderate staining, damp                              |
| 2          | ↑                    | 3/60      | 0                  | 2-26 yellowish orange, medium sand, some coarse sand, no odor, no staining, damp |
| 3          | ↑                    |           | 0                  |                                                                                  |
| 4          | ↑                    |           |                    | 26-31 yellowish orange medium sand, some coarse sand (same as above)             |
| 5          | ↑                    | 2         |                    |                                                                                  |
| 6          | ↑                    | 26/36     | 0                  | 0-9 Light Brown medium sand, some coarse sand, no odors no staining damp         |
| 7          | ↑                    |           | 0                  |                                                                                  |
| 8          | ↑                    |           | 0                  | 9-36 yellowish orange medium sand, some coarse, trace fine sand                  |
| 9          |                      |           |                    | end of boring @ 8' 2"                                                            |
| 10         |                      |           |                    |                                                                                  |
| 11         |                      |           |                    |                                                                                  |
| 12         |                      |           |                    |                                                                                  |
| 13         |                      |           |                    |                                                                                  |
| 14         |                      |           |                    |                                                                                  |
| 15         |                      |           |                    |                                                                                  |
| 16         |                      |           |                    |                                                                                  |
| 17         |                      |           |                    |                                                                                  |
| 18         |                      |           |                    |                                                                                  |
| 19         |                      |           |                    |                                                                                  |
| 20         |                      |           |                    |                                                                                  |

## SG6

DEPTH OF BOREHOLE: 4 ft bgs

---

boring end @ 8' 2"





## **APPENDIX B**

### **Photo Log**





Sub-Slab Sampling – SS-1



Sub-Slab Sampling – SS-2





Indoor Air Sampling – IA-1



Outdoor Air Sampling – OA-1



Sub-Slab Soil Sampling Equipment



Soil Vapor Sampling Location – SG-1





Utilities along Railroad St where SG-1 was originally planned



Soil Vapor Sampling – SG-2



Soil Vapor Sampling – SG-3



Soil Vapor Sampling – SG-4





Soil Vapor Sampling – SG-5



Soil Vapor Sampling – SG-6



## **APPENDIX C**

### **Laboratory Data and Data Usability Summary Reports on CD**

## **ANALYTICAL RESULTS SUMMARY**

**PROJECT NAME : AIR-HAZELTINE DEC SITE#1-52-005**

**AECOM TECHNICAL SERVICES NORTHEAST, INC  
300 Broadacres Drive**

**Bloomfield , NJ - 07003**

**Phone No: 973-338-6680**

**ORDER ID : B1786**

**ATTENTION : Claire Hunt**





## Cover Page

**Order ID :** B1786

**Project ID :** AIR-Hazeltine DEC site#1-52-005

**Client :** AECOM Technical Services Northeast, Inc

| Lab Sample Number | Client Sample Number |
|-------------------|----------------------|
| B1786-01          | SS-2                 |
| B1786-02          | SG-6                 |
| B1786-03          | IA-01                |
| B1786-04          | SG-2                 |
| B1786-05          | SG-1                 |
| B1786-06          | SS-1                 |
| B1786-07          | SG-3                 |
| B1786-08          | SG-4                 |
| B1786-09          | SG-52                |
| B1786-10          | SG-5                 |
| B1786-11          | OA-1                 |

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : \_\_\_\_\_

**CHEMTECH**

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHEMTECH Project No. :

B1786

|                                                                                                                                                                                                                      |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|-----------------------------------------------------|------------------------------------|----------------------------|---------------------------|--------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------|--------|-------------------|----------------------------------|--------------------------|-------|-----------------------|--|--|--------------------|----------|
| Client Contact Information                                                                                                                                                                                           |                |                          |                         | Bottle Order ID : <b>B1003092</b>                   |                                    |                            |                           | Courier :                            |                                   |                                                                                           |        | 1 of 1 COCs       |                                  |                          |       |                       |  |  |                    |          |
| Client ID : <b>EART05</b>                                                                                                                                                                                            |                |                          |                         | Project ID : <b>AIR-Hazeltine DEC site#1-52-005</b> |                                    |                            |                           | Sampler Name(s) : <b>CF/CH</b>       |                                   |                                                                                           |        | Analysis          |                                  |                          |       | Matrix                |  |  |                    |          |
| Customer Name : <b>AECOM Technical Services Northeast, Inc</b><br><br>Address : <b>300 Broadacres Drive</b><br><br>City : <b>Bloomfield</b><br><br>State : <b>NJ</b><br><br>Zip Code : <b>07003</b><br><br>Country : |                |                          |                         | Project Manager : <b>PAUL KARETH</b>                |                                    |                            |                           | <b>AIR ANALYSIS CHAIN-OF-CUSTODY</b> |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
|                                                                                                                                                                                                                      |                |                          |                         | Phone Number : <b>973-338-6680</b>                  |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
|                                                                                                                                                                                                                      |                |                          |                         | Fax Number : <b>973-338-1052</b>                    |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
|                                                                                                                                                                                                                      |                |                          |                         | Site Details:                                       |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
|                                                                                                                                                                                                                      |                |                          |                         | Analysis Turnaround Time                            |                                    |                            |                           | Data Package Type :                  |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
|                                                                                                                                                                                                                      |                |                          |                         | Standard : <b>15 business days</b>                  |                                    |                            |                           | EDD Type :                           |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Rush (Specify): <b>Days</b>                                                                                                                                                                                          |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Sample Identification                                                                                                                                                                                                | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum In Field ("Hg) (Start)                   | Can Vacuum In Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)    | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID                                                                              | Can ID | Can Size (L)      | Flow Controller Readout (ml/min) | Can Cert ID              | TO-15 |                       |  |  | Indoor/Ambient Air | Soil Gas |
| SS-2                                                                                                                                                                                                                 | 4/1/10         | 1113                     | 1913                    | -29                                                 | -12                                |                            |                           | -30                                  | -84                               | 10530                                                                                     | 10298  | 6 L               | 12.5                             | VM006966-D<br>VM006966-D | X     |                       |  |  | X                  |          |
| Temperature (Fahrenheit)                                                                                                                                                                                             |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   | GC/MS Analyst Signature (TO-15)<br>04/15/10<br>[Signature]<br>IND CERT.                   |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Ambient                                                                                                                                                                                                              |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Maximum                                                                                                                                                                                                              |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Minimum                                                                                                                                                                                                              |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Start                                                                                                                                                                                                                |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Stop                                                                                                                                                                                                                 |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Pressure (Inches of Hg)                                                                                                                                                                                              |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   | ** Submittal of this COC indicates approval of the analysis based on existing conditions. |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Ambient                                                                                                                                                                                                              |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Maximum                                                                                                                                                                                                              |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Minimum                                                                                                                                                                                                              |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Start                                                                                                                                                                                                                |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Stop                                                                                                                                                                                                                 |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Please follow the instructions on the back of this COC.                                                                                                                                                              |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Special Instructions/QC Requirements & Comments :                                                                                                                                                                    |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Suspected Contamination: High Medium Low PID Readings:                                                                                                                                                               |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Sampling site (State):                                                                                                                                                                                               |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Quick Connector required :                                                                                                                                                                                           |                |                          |                         |                                                     |                                    |                            |                           |                                      |                                   |                                                                                           |        |                   |                                  |                          |       |                       |  |  |                    |          |
| Canisters Shipped by: [Signature]                                                                                                                                                                                    |                |                          |                         | Date/Time: 03/25/10                                 |                                    |                            |                           | Canisters Received by: [Signature]   |                                   |                                                                                           |        | Date/Time: 4/5/10 |                                  |                          |       | 5:50 pm. B1003092 - 8 |  |  |                    |          |
| Samples Relinquished by: [Signature]                                                                                                                                                                                 |                |                          |                         | Date/Time: 4/5/10 4:22 PM                           |                                    |                            |                           | Received by: M. Rios                 |                                   |                                                                                           |        | Date/Time: 4/5/10 |                                  |                          |       | 5:50 pm.              |  |  |                    |          |
| Relinquished by: M. Rios                                                                                                                                                                                             |                |                          |                         | Date/Time: 4/5/10                                   |                                    |                            |                           | Received by: SHERAZ AGHA             |                                   |                                                                                           |        | Date/Time: 4/5/10 |                                  |                          |       | 5:50 pm.              |  |  |                    |          |

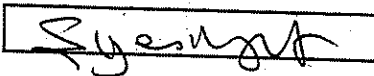
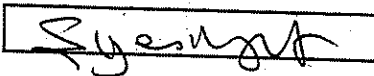
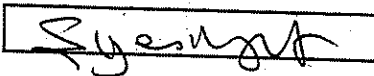
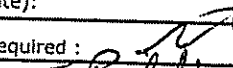
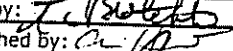
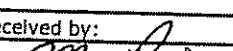
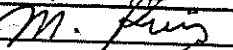


**CHEMTECH**

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHEMTECH Project No. :

B1786

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                          |                         |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------|---------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------|----------------|--------------------|----------------------------------|-------------|--------------------|--------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|---------|---------|---------|-------|---|--|--|------|--|--|--|
| Client Contact Information                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                          |                         | Bottle Order ID : <b>B1003092</b>                                                                                                                        |                                    |                            |                           | Courier :                                                                                         |                                   |                |                | 1 of 1 COCs        |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Client ID : <b>EART05</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                          |                         | Project ID : <b>AIR-Hazeltine DEC site#1-52-005</b>                                                                                                      |                                    |                            |                           | Sampler Name(s) : <b>CF/CH</b>                                                                    |                                   |                |                | Analysis           |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Customer Name : <b>AECOM Technical Services Northeast, Inc</b><br>Address : <b>300 Broadacres Drive</b><br>City : <b>Bloomfield</b><br>State : <b>NJ</b><br>Zip Code : <b>07003</b><br>Country :                                                                                                                                                                                                                                                                       |                |                          |                         | Project Manager : <b>PAUL KARETH</b>                                                                                                                     |                                    |                            |                           | AIR ANALYSIS<br>CHAIN-OF-CUSTODY                                                                  |                                   |                |                | Matrix             |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                          |                         | Phone Number : <b>973-338-6680</b>                                                                                                                       |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                          |                         | Fax Number : <b>973-338-1052</b>                                                                                                                         |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                          |                         | Site Details:                                                                                                                                            |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Analysis Turnaround Time                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                          |                         | Standard : <b>15 business days</b>                                                                                                                       |                                    |                            |                           | Data Package Type :                                                                               |                                   |                |                | TO-15              |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Rush (Specify): <b>Days</b>                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                          |                         | EDD Type :                                                                                                                                               |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Sample Identification                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum In Field ("Hg) (Start)                                                                                                                        | Can Vacuum In Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)                                                                 | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID   | Can ID         | Can Size (L)       | Flow Controller Readout (ml/min) | Can Cert ID | Indoor/Ambient Air | Soil Gas                 |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| SG-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4/1/10         | 1430<br>1357             | 1623<br>1553            | -29.5                                                                                                                                                    | -5.4                               |                            |                           | -30                                                                                               | -5.9                              | 10700<br>10725 | 10024<br>10275 | 6 L                | 50                               | VM007483.D  | X                  | X                        |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| <table border="1"> <tr> <td colspan="4">Temperature (Fahrenheit)</td> <td colspan="4" rowspan="4">GC/MS Analyst Signature (TO-15)<br/></td> </tr> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>1</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>                                |                |                          |                         |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    | Temperature (Fahrenheit) |  |  |  | GC/MS Analyst Signature (TO-15)<br>                                 |  |  |  |  | Ambient | Maximum | Minimum | Start | 1 |  |  | Stop |  |  |  |
| Temperature (Fahrenheit)                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                          |                         | GC/MS Analyst Signature (TO-15)<br>                                 |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ambient        | Maximum                  | Minimum                 |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Start                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1              |                          |                         |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Stop                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                          |                         |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| <table border="1"> <tr> <td colspan="4">Pressure (Inches of Hg)</td> <td colspan="4" rowspan="4">** Submittal of this COC Indicates approval of the analysis based on existing conditions.<br/><br/>Please follow the instructions on the back of this COC.</td> </tr> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table> |                |                          |                         |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    | Pressure (Inches of Hg)  |  |  |  | ** Submittal of this COC Indicates approval of the analysis based on existing conditions.<br><br>Please follow the instructions on the back of this COC. |  |  |  |  | Ambient | Maximum | Minimum | Start |   |  |  | Stop |  |  |  |
| Pressure (Inches of Hg)                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                          |                         | ** Submittal of this COC Indicates approval of the analysis based on existing conditions.<br><br>Please follow the instructions on the back of this COC. |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ambient        | Maximum                  | Minimum                 |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Start                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                          |                         |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Stop                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                          |                         |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Special Instructions/QC Requirements & Comments :                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                          |                         |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Suspected Contamination: High Medium Low PID Readings:                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                          |                         |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Sampling site (State):                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                          |                         |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Quick Connector required :                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                          |                         |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Canisters Shipped by:                                                                                                                                                                                                                                                                                                                                                               |                |                          |                         | Date/Time: 03/25/10                                                                                                                                      |                                    |                            |                           | Canisters Received by:                                                                            |                                   |                |                | Date/Time:         |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Samples Relinquished by:                                                                                                                                                                                                                                                                                                                                                            |                |                          |                         | Date/Time: 4/5/10 4:22 PM                                                                                                                                |                                    |                            |                           | Received by:  |                                   |                |                | Date/Time: 04/5/10 |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| Relinquished by:                                                                                                                                                                                                                                                                                                                                                                    |                |                          |                         | Date/Time: 4/5/10                                                                                                                                        |                                    |                            |                           | Received by:  |                                   |                |                | Date/Time: 04/5/10 |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |
| 5:50 pm B1003092 - 5<br>5:50 pm                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                          |                         |                                                                                                                                                          |                                    |                            |                           |                                                                                                   |                                   |                |                |                    |                                  |             |                    |                          |  |  |  |                                                                                                                                                          |  |  |  |  |         |         |         |       |   |  |  |      |  |  |  |

**CHEMTECH**

CHEMTECH Project No. :

B1786

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

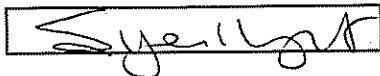
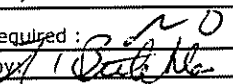
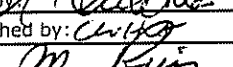
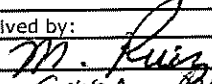
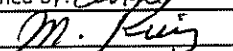
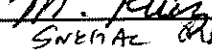
|                                                                |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
|----------------------------------------------------------------|----------------|-----------------------------------------------------|-------------------------|--------------------------------------|------------------------------------|----------------------------|---------------------------|-----------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------|--------|--------------|----------------------------------|----------------------|--------------------------|--|--|--------------------|----------|
| Client Contact Information                                     |                | Bottle Order ID : <b>B1003092</b>                   |                         | Courier :                            |                                    | 1 of 1 COCs                |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Client ID : <b>EART05</b>                                      |                | Project ID : <b>AIR-Hazeltine DEC site#1-52-005</b> |                         | Sampler Name(s) : <b>CF/CH</b>       |                                    | Analysis                   |                           | Matrix                            |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Customer Name : <b>AECOM Technical Services Northeast, Inc</b> |                | Project Manager : <b>PAUL KARETH</b>                |                         | <b>AIR ANALYSIS CHAIN-OF-CUSTODY</b> |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Address : <b>300 Broadacres Drive</b>                          |                | Phone Number : <b>973-338-6680</b>                  |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
|                                                                |                | Fax Number : <b>973-338-1052</b>                    |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
|                                                                |                | Site Details:                                       |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| City : <b>Bloomfield</b>                                       |                | Analysis Turnaround Time                            |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| State : <b>NJ</b>                                              |                | Standard : <b>15 business days</b>                  |                         | Data Package Type :                  |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Zip Code : <b>07003</b>                                        |                | Rush (Specify): <b>Days</b>                         |                         | EDD Type :                           |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Country :                                                      |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Sample Identification                                          | Sample Date(s) | Time Start (24 hr Clock)                            | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start)    | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab) | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID                                                                              | Can ID | Can Size (L) | Flow Controller Readout (ml/min) | Can Cert ID          | TO-15                    |  |  | Indoor/Ambient Air | Soil Gas |
| IA-01                                                          | 4/11/10        | 1112                                                | 1912                    | -30                                  | -13                                |                            |                           | -30                               | -8.8                              | 10535 NR 2R                                                                               | 10260  | 6 L          | 12.5 NA                          | VM006967-D VM 906961 | X                        |  |  | X                  |          |
| Temperature (Fahrenheit)                                       |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   | GC/MS Analyst Signature (TO-15)                                                           |        |              |                                  |                      |                          |  |  |                    |          |
|                                                                |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   | 63/07/10 XP 03/25/10 28 04/15/10                                                          |        |              |                                  |                      |                          |  |  |                    |          |
| Start                                                          |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   | IND CERT                                                                                  |        |              |                                  |                      |                          |  |  |                    |          |
| Stop                                                           |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Pressure (Inches of Hg)                                        |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   | ** Submittal of this COC indicates approval of the analysis based on existing conditions. |        |              |                                  |                      |                          |  |  |                    |          |
|                                                                |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Start                                                          |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Stop                                                           |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Please follow the instructions on the back of this COC.        |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Special Instructions/QC Requirements & Comments :              |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Suspected Contamination: High Medium Low PID Readings:         |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Sampling site (State):                                         |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Quick Connector required :                                     |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   |                                                                                           |        |              |                                  |                      |                          |  |  |                    |          |
| Canisters Shipped by: <i>W.H.H.</i>                            |                |                                                     |                         |                                      | Date/Time: <i>4/5/10</i>           |                            |                           |                                   |                                   | Canisters Received by: <i>M. Ruiz</i>                                                     |        |              |                                  |                      | Date/Time: <i>4/5/10</i> |  |  |                    |          |
| Samples Relinquished by: <i>M. Ruiz</i>                        |                |                                                     |                         |                                      | Date/Time: <i>4/5/10</i>           |                            |                           |                                   |                                   | Received by: <i>S. N. G. A. M. E. G. A.</i>                                               |        |              |                                  |                      | Date/Time: <i>4/5/10</i> |  |  |                    |          |
| Relinquished by: <i>M. Ruiz</i>                                |                |                                                     |                         |                                      | Date/Time: <i>4/5/10</i>           |                            |                           |                                   |                                   | Received by: <i>S. N. G. A. M. E. G. A.</i>                                               |        |              |                                  |                      | Date/Time: <i>4/5/10</i> |  |  |                    |          |
|                                                                |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   | 5:50pm B1003092-4                                                                         |        |              |                                  |                      |                          |  |  |                    |          |
|                                                                |                |                                                     |                         |                                      |                                    |                            |                           |                                   |                                   | 5:50pm                                                                                    |        |              |                                  |                      |                          |  |  |                    |          |

**CHEMTECH**

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHEMTECH Project No. :

B1786

|                                                                                                                                                                                                  |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|-----------------------------------------------------|------------------------------------|----------------------------|---------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------|----------------------------------|-------------|-------|-----------------------------------|--|--|--|--------------------|----------|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|
| Client Contact Information                                                                                                                                                                       |                |                          |                         | Bottle Order ID : <b>B1003092</b>                   |                                    |                            |                           | Courier :                                                                                          |                                   |                                                                                                                                                          |        | 1 of 1 COCs       |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Client ID : <b>EART05</b>                                                                                                                                                                        |                |                          |                         | Project ID : <b>AIR-Hazeltine DEC site#1-52-005</b> |                                    |                            |                           | Sampler Name(s) : <b>CF/CH</b>                                                                     |                                   |                                                                                                                                                          |        | Analysis          |                                  |             |       | Matrix                            |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Customer Name : <b>AECOM Technical Services Northeast, Inc</b><br>Address : <b>300 Broadacres Drive</b><br>City : <b>Bloomfield</b><br>State : <b>NJ</b><br>Zip Code : <b>07003</b><br>Country : |                |                          |                         | Project Manager : <b>PAUL KARETH</b>                |                                    |                            |                           | <b>AIR ANALYSIS CHAIN-OF-CUSTODY</b>                                                               |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                  |                |                          |                         | Phone Number : <b>973-338-6680</b>                  |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                  |                |                          |                         | Fax Number : <b>973-338-1052</b>                    |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                  |                |                          |                         | Site Details:                                       |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                  |                |                          |                         | Analysis Turnaround Time                            |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                  |                |                          |                         | Standard : <b>15 business days</b>                  |                                    |                            |                           | Data Package Type :                                                                                |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                  |                |                          |                         | Rush (Specify): <b>Days</b>                         |                                    |                            |                           | EDD Type :                                                                                         |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Sample Identification                                                                                                                                                                            | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start)                   | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)                                                                  | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID                                                                                                                                             | Can ID | Can Size (L)      | Flow Controller Readout (ml/min) | Can Cert ID | TO-15 |                                   |  |  |  | Indoor/Ambient Air | Soil Gas |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| SG-2                                                                                                                                                                                             | 4/1/10         | 1507                     | 1648                    | -29.5                                               | -4                                 |                            |                           | -30                                                                                                | -6.3                              | 10643                                                                                                                                                    | 10025  | 6 L               | 50                               | VM007543.D  | X     |                                   |  |  |  | X                  |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Temperature (Fahrenheit)                                                                                                                                                                         |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   | GC/MS Analyst Signature (TO-15)                                     |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                  |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Ambient                                                                                                                                                                                          |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  | Maximum            |          |  |  |  |  |  |  |  |  | Minimum |  |  |  |  |  |  |  |  |  |
| Start                                                                                                                                                                                            |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Stop                                                                                                                                                                                             |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Pressure (Inches of Hg)                                                                                                                                                                          |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   | ** Submittal of this COC indicates approval of the analysis based on existing conditions.<br><br>Please follow the instructions on the back of this COC. |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                  |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Ambient                                                                                                                                                                                          |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  | Maximum            |          |  |  |  |  |  |  |  |  | Minimum |  |  |  |  |  |  |  |  |  |
| Start                                                                                                                                                                                            |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Stop                                                                                                                                                                                             |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Special Instructions/QC Requirements & Comments :                                                                                                                                                |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Suspected Contamination: High Medium Low PID Readings:                                                                                                                                           |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Sampling site (State):                                                                                                                                                                           |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Quick Connector required :                                                                                                                                                                       |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                   |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Canisters Shipped by:                                                                                         |                |                          |                         | Date/Time: 03/25/10                                 |                                    |                            |                           | Canisters Received by:                                                                             |                                   |                                                                                                                                                          |        | Date/Time:        |                                  |             |       | 5:50 PM. B1003092 - 2<br>5:50 PM. |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Samples Relinquished by:                                                                                      |                |                          |                         | Date/Time: 4/5/10                                   |                                    |                            |                           | Received by:  |                                   |                                                                                                                                                          |        | Date/Time: 4/5/10 |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |
| Relinquished by:                                                                                              |                |                          |                         | Date/Time: 4/5/10                                   |                                    |                            |                           | Received by:  |                                   |                                                                                                                                                          |        | Date/Time: 4/5/10 |                                  |             |       |                                   |  |  |  |                    |          |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |

**CHEMTECH**

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHEMTECH Project No. :

B-1786

|                                                                                                         |                             |                          |                         |                                      |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
|---------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|-------------------------|--------------------------------------|------------------------------------|----------------------------|---------------------------|-------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------|---|-----------------------|--|---|--|
| Client Contact Information                                                                              |                             |                          |                         | Bottle Order ID : <b>B1003092</b>    |                                    |                            |                           | Courier :                                 |                                   |                                                                                                  |                           | 1 of 1 COCs                                                                                                                            |                                  |             |   |                       |  |   |  |
| Client ID : <b>EART05</b> Project ID : <b>AIR-Hazeltine DEC site#1-52-005</b>                           |                             |                          |                         | Sampler Name(s) : <b>CE/CH</b>       |                                    |                            |                           | Analysis                                  |                                   |                                                                                                  |                           | Matrix                                                                                                                                 |                                  |             |   |                       |  |   |  |
| Customer Name : <b>AECOM Technical Services Northeast, Inc</b><br>Address : <b>300 Broadacres Drive</b> |                             |                          |                         | Project Manager : <b>PAUL KARETH</b> |                                    |                            |                           | <b>AIR ANALYSIS<br/>CHAIN-OF-CUSTODY</b>  |                                   |                                                                                                  |                           | <div style="display: flex; justify-content: space-between;"> <div>TO-15</div> <div>Indoor/Ambient Air</div> <div>Soil Gas</div> </div> |                                  |             |   |                       |  |   |  |
|                                                                                                         |                             |                          |                         | Phone Number : <b>973-338-6680</b>   |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
|                                                                                                         |                             |                          |                         | Fax Number : <b>973-338-1052</b>     |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
|                                                                                                         |                             |                          |                         | Site Details:                        |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| City : <b>Bloomfield</b>                                                                                |                             |                          |                         | Analysis Turnaround Time             |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| State : <b>NJ</b>                                                                                       |                             |                          |                         |                                      |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| Zip Code : <b>07003</b>                                                                                 |                             |                          |                         | Standard : <b>15 business days</b>   |                                    |                            |                           | Data Package Type :                       |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| Country :                                                                                               |                             |                          |                         | Rush (Specify): <b>Days</b>          |                                    |                            |                           | EDD Type :                                |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| Sample Identification                                                                                   | Sample Date(s)              | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum In Field ("Hg) (Start)    | Can Vacuum In Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)         | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID                                                                                     | Can ID                    | Can Size (L)                                                                                                                           | Flow Controller Readout (ml/min) | Can Cert ID |   |                       |  |   |  |
| <del>SG-2</del><br>SG-1                                                                                 | <del>4/1/10</del><br>4/1/10 | <del>1507</del><br>1652  | <del>1640</del><br>1852 | <del>29.3</del><br>-28               | <del>-5</del><br>-5                |                            |                           | -30                                       | -5.1                              | <del>10567</del><br>10643                                                                        | <del>10318</del><br>10025 | 6 L                                                                                                                                    | 50                               | VM907549-D  | X |                       |  | X |  |
| <b>Temperature (Fahrenheit)</b>                                                                         |                             |                          |                         |                                      |                                    |                            |                           |                                           |                                   | <b>GC/MS Analyst Signature (TO-15)</b>                                                           |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
|                                                                                                         |                             | Ambient                  | Maximum                 | Minimum                              |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| Start                                                                                                   |                             |                          |                         |                                      |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| Stop                                                                                                    |                             |                          |                         |                                      |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| <b>Pressure (Inches of Hg)</b>                                                                          |                             |                          |                         |                                      |                                    |                            |                           |                                           |                                   | <b>** Submittal of this COC indicates approval of the analysis based on existing conditions.</b> |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
|                                                                                                         |                             | Ambient                  | Maximum                 | Minimum                              |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| Start                                                                                                   |                             |                          |                         |                                      |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| Stop                                                                                                    |                             |                          |                         |                                      |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| <b>Please follow the instructions on the back of this COC.</b>                                          |                             |                          |                         |                                      |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| <b>Special Instructions/QC Requirements &amp; Comments :</b>                                            |                             |                          |                         |                                      |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| Suspected Contamination: High Medium Low PID Readings:                                                  |                             |                          |                         |                                      |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| Sampling site (State):                                                                                  |                             |                          |                         |                                      |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| Quick Connector required :                                                                              |                             |                          |                         |                                      |                                    |                            |                           |                                           |                                   |                                                                                                  |                           |                                                                                                                                        |                                  |             |   |                       |  |   |  |
| Canisters Shipped by: <i>[Signature]</i>                                                                |                             |                          |                         | Date/Time: <i>03/25/10</i>           |                                    |                            |                           | Canisters Received by: <i>[Signature]</i> |                                   |                                                                                                  |                           | Date/Time: <i>4/5/10</i>                                                                                                               |                                  |             |   |                       |  |   |  |
| Samples Relinquished by: <i>[Signature]</i>                                                             |                             |                          |                         | Date/Time: <i>4/5/10</i>             |                                    |                            |                           | Received by: <i>[Signature]</i>           |                                   |                                                                                                  |                           | Date/Time: <i>4/5/10</i>                                                                                                               |                                  |             |   | 5:50 pm. B1003092 - 2 |  |   |  |
| Relinquished by: <i>[Signature]</i>                                                                     |                             |                          |                         | Date/Time: <i>4/5/10</i>             |                                    |                            |                           | Received by: <i>[Signature]</i>           |                                   |                                                                                                  |                           | Date/Time: <i>4/5/10</i>                                                                                                               |                                  |             |   | 5:50 pm.              |  |   |  |



# CHEMTECH

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHEMTECH Project No. :

B1786

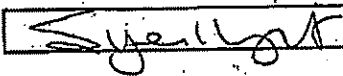
|                                                                                                                                                                                                                                                |                |                          |                         |                                   |                                    |                                      |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|---------------------------|---------------------------------------|-----------------------------------|-------------------------------|---------|--------------------------|----------------------------------|-------------|-------|--------------------|----------|------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| Client Contact Information                                                                                                                                                                                                                     |                |                          |                         |                                   |                                    | Bottle Order ID : <b>B1003092</b>    |                           |                                       |                                   | Courier :                     |         |                          |                                  | 1 of 1 COCs |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Client ID : <b>EART05</b> Project ID : <b>AIR-Hazeltine DEC site#1-52-005</b>                                                                                                                                                                  |                |                          |                         |                                   |                                    | Sampler Name(s) : <b>CE/CH</b>       |                           |                                       |                                   | Analysis                      |         |                          |                                  | Matrix      |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Customer Name : <b>AECOM Technical Services Northeast, Inc</b><br>Address : <b>300 Broadacres Drive</b><br>City : <b>Bloomfield</b><br>State : <b>NJ</b><br>Zip Code : <b>07003</b>                                                            |                |                          |                         |                                   |                                    | Project Manager : <b>PAUL KARETH</b> |                           |                                       |                                   | AIR ANALYSIS CHAIN-OF-CUSTODY |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                |                |                          |                         |                                   |                                    | Phone Number : <b>973-338-6680</b>   |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                |                |                          |                         |                                   |                                    | Fax Number : <b>973-338-1052</b>     |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                |                |                          |                         |                                   |                                    | Site Details:                        |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Analysis Turnaround Time                                                                                                                                                                                                                       |                |                          |                         |                                   |                                    | Standard : <b>15 business days</b>   |                           |                                       |                                   | Data Package Type :           |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Country :                                                                                                                                                                                                                                      |                |                          |                         |                                   |                                    | Rush (Specify): <b>Days</b>          |                           |                                       |                                   | EDD Type :                    |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Sample Identification                                                                                                                                                                                                                          | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start) | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start)           | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)     | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID                  | Can ID  | Can Size (L)             | Flow Controller Readout (ml/min) | Can Cert ID | TO-15 | Indoor/Ambient Air | Soil Gas |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| SS-1                                                                                                                                                                                                                                           | 4/1/10         | 1111                     | 1911                    | -29                               | -10.5                              |                                      |                           | -30                                   | -8.0                              | 10781                         | 10328   | 6 L                      | 12.5                             | VM006965.D  | X     |                    | X        |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Temperature (Fahrenheit)<br><table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table> |                |                          |                         |                                   |                                    |                                      |                           |                                       |                                   |                               | Ambient | Maximum                  | Minimum                          | Start       |       |                    |          | Stop |  |  |  | GC/MS Analyst Signature (TO-15) <b>04/15/10</b><br><b>1MD CERT.</b><br>** Submittal of this COC indicates approval of the analysis based on existing conditions.<br>Please follow the instructions on the back of this COC. |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                | Ambient        | Maximum                  | Minimum                 |                                   |                                    |                                      |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Start                                                                                                                                                                                                                                          |                |                          |                         |                                   |                                    |                                      |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Stop                                                                                                                                                                                                                                           |                |                          |                         |                                   |                                    |                                      |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Pressure (Inches of Hg)<br><table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>  |                |                          |                         |                                   |                                    |                                      |                           |                                       |                                   |                               | Ambient | Maximum                  | Minimum                          | Start       |       |                    |          | Stop |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                | Ambient        | Maximum                  | Minimum                 |                                   |                                    |                                      |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Start                                                                                                                                                                                                                                          |                |                          |                         |                                   |                                    |                                      |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Stop                                                                                                                                                                                                                                           |                |                          |                         |                                   |                                    |                                      |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Special Instructions/QC Requirements & Comments :                                                                                                                                                                                              |                |                          |                         |                                   |                                    |                                      |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Suspected Contamination: High Medium Low PID Readings:                                                                                                                                                                                         |                |                          |                         |                                   |                                    |                                      |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Sampling site (State):                                                                                                                                                                                                                         |                |                          |                         |                                   |                                    |                                      |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Quick Connector required :                                                                                                                                                                                                                     |                |                          |                         |                                   |                                    |                                      |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Canisters Shipped by: <b>A. Butcher</b>                                                                                                                                                                                                        |                |                          |                         | Date/Time: <b>3/27/10</b>         |                                    |                                      |                           | Canisters Received by: <b>M. Rios</b> |                                   |                               |         | Date/Time: <b>4/5/10</b> |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Samples Relinquished by: <b>M. Rios</b>                                                                                                                                                                                                        |                |                          |                         | Date/Time: <b>4/5/10 4:22AM</b>   |                                    |                                      |                           | Received by: <b>SPINAC MENT A</b>     |                                   |                               |         | Date/Time: <b>4/5/10</b> |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Relinquished by: <b>M. Rios</b>                                                                                                                                                                                                                |                |                          |                         | Date/Time: <b>4/5/10</b>          |                                    |                                      |                           | Received by: <b>SPINAC MENT A</b>     |                                   |                               |         | Date/Time: <b>4/5/10</b> |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| 5:50pm B1003092 - 13<br>5:50pm                                                                                                                                                                                                                 |                |                          |                         |                                   |                                    |                                      |                           |                                       |                                   |                               |         |                          |                                  |             |       |                    |          |      |  |  |  |                                                                                                                                                                                                                             |  |  |  |  |  |  |  |

**CHEMTECH**

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHEMTECH Project No. :

B1786

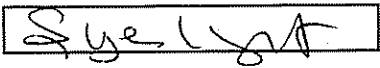
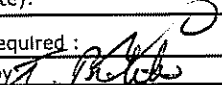
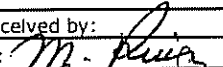
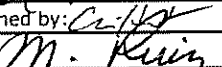
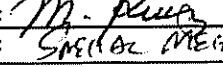
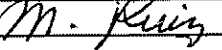
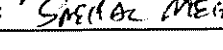
|                                                                                                                                                                                                  |                             |                          |                         |                                                     |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|-------------------------|-----------------------------------------------------|------------------------------------|----------------------------|---------------------------|---------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|----------------------------------|-------------|-------|---------------------------------|----------|
| Client Contact Information                                                                                                                                                                       |                             |                          |                         | Bottle Order ID : <b>B1003092</b>                   |                                    |                            |                           | Courier :                             |                                   |                                                                                                                                                          |                           | 1 of 1 COCs              |                                  |             |       |                                 |          |
| Client ID : <b>EART05</b>                                                                                                                                                                        |                             |                          |                         | Project ID : <b>AIR-Hazeltine DEC site#1-52-005</b> |                                    |                            |                           | Sampler Name(s) : <b>CF/CH</b>        |                                   |                                                                                                                                                          |                           | Analysis :               |                                  |             |       |                                 |          |
| Customer Name : <b>AECOM Technical Services Northeast, Inc</b><br>Address : <b>300 Broadacres Drive</b><br>City : <b>Bloomfield</b><br>State : <b>NJ</b><br>Zip Code : <b>07003</b><br>Country : |                             |                          |                         | Project Manager : <b>PAUL KARETH</b>                |                                    |                            |                           | AIR ANALYSIS<br>CHAIN-OF-CUSTODY      |                                   |                                                                                                                                                          |                           | Matrix :                 |                                  |             |       |                                 |          |
|                                                                                                                                                                                                  |                             |                          |                         | Phone Number : <b>973-338-6680</b>                  |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
|                                                                                                                                                                                                  |                             |                          |                         | Fax Number : <b>973-338-1052</b>                    |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
|                                                                                                                                                                                                  |                             |                          |                         | Site Details:                                       |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
| Analysis Turnaround Time                                                                                                                                                                         |                             |                          |                         | Standard : <b>15 business days</b>                  |                                    |                            |                           | Data Package Type :                   |                                   |                                                                                                                                                          |                           | TO-15                    |                                  |             |       |                                 |          |
| Rush (Specify): <b>Days</b>                                                                                                                                                                      |                             |                          |                         | EDD Type :                                          |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
| Sample Identification                                                                                                                                                                            | Sample Date(s)              | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum In Field ("Hg) (Start)                   | Can Vacuum In Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)     | In coming Can Pressure ("Hg)(Lab) | Flow Rep. ID                                                                                                                                             | Can ID                    | Can Size (L)             | Flow Controller Readout (ml/min) | Can Cert ID | TO-15 | Indoor/Ambient Air              | Soil Gas |
| <del>SG-2</del><br>SG-3                                                                                                                                                                          | <del>4/1/10</del><br>4/1/10 | <del>1507</del><br>1547  | <del>1648</del><br>17   | <del>29.5</del><br>-30+                             | <del>-4</del><br>-6                |                            |                           | -30                                   | -5.9                              | <del>10543</del><br>10543                                                                                                                                | <del>10296</del><br>10296 | 6 L                      | 50                               | VM007543.D  | X     |                                 | X        |
| Temperature (Fahrenheit)                                                                                                                                                                         |                             |                          |                         |                                                     |                                    |                            |                           |                                       |                                   | GC/MS Analyst Signature (TO-15)<br>                                 |                           |                          |                                  |             |       |                                 |          |
|                                                                                                                                                                                                  |                             | Ambient                  | Maximum                 | Minimum                                             |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
| Start                                                                                                                                                                                            |                             |                          |                         |                                                     |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
| Stop                                                                                                                                                                                             |                             |                          |                         |                                                     |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
| Pressure (Inches of Hg)                                                                                                                                                                          |                             |                          |                         |                                                     |                                    |                            |                           |                                       |                                   | ** Submittal of this COC Indicates approval of the analysis based on existing conditions.<br><br>Please follow the instructions on the back of this COC. |                           |                          |                                  |             |       |                                 |          |
|                                                                                                                                                                                                  |                             | Ambient                  | Maximum                 | Minimum                                             |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
| Start                                                                                                                                                                                            |                             |                          |                         |                                                     |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
| Stop                                                                                                                                                                                             |                             |                          |                         |                                                     |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
| Special Instructions/QC Requirements & Comments :                                                                                                                                                |                             |                          |                         |                                                     |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
| Suspected Contamination: High Medium Low PID Readings:                                                                                                                                           |                             |                          |                         |                                                     |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
| Sampling site (State):                                                                                                                                                                           |                             |                          |                         |                                                     |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
| Quick Connector required :                                                                                                                                                                       |                             |                          |                         |                                                     |                                    |                            |                           |                                       |                                   |                                                                                                                                                          |                           |                          |                                  |             |       |                                 |          |
| Canisters Shipped by: <i>Paula</i>                                                                                                                                                               |                             |                          |                         | Date/Time: <i>03/25/10</i>                          |                                    |                            |                           | Canisters Received by: <i>M. Ruiz</i> |                                   |                                                                                                                                                          |                           | Date/Time: <i>4/5/10</i> |                                  |             |       | 5:50pm. B1003092 - 2<br>5:50pm. |          |
| Samples Relinquished by: <i>Paula</i>                                                                                                                                                            |                             |                          |                         | Date/Time: <i>4/5/10</i>                            |                                    |                            |                           | Received by: <i>M. Ruiz</i>           |                                   |                                                                                                                                                          |                           | Date/Time: <i>4/5/10</i> |                                  |             |       |                                 |          |
| Relinquished by: <i>M. Ruiz</i>                                                                                                                                                                  |                             |                          |                         | Date/Time: <i>4/5/10</i>                            |                                    |                            |                           | Received by: <i>SNEHAL BASTIA</i>     |                                   |                                                                                                                                                          |                           | Date/Time: <i>4/5/10</i> |                                  |             |       |                                 |          |

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284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHEMTECH Project No. :

B1786

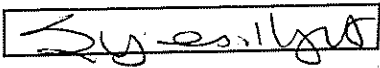
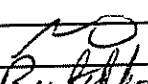
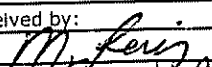
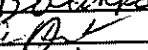
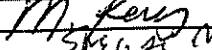
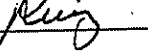
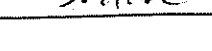
|                                                                                                                                                                                                  |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|-----------------------------------------------------|------------------------------------|----------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------|----------------------------------|-------------|-------|--------------------|----------|--|--|
| Client Contact Information                                                                                                                                                                       |                |                          |                         | Bottle Order ID : <b>B1003092</b>                   |                                    |                            |                           | Courier :                                                                                                   |                                   |                                                                                                                                                          |        | 1 of 1 COCs        |                                  |             |       |                    |          |  |  |
| Client ID : <b>EART05</b>                                                                                                                                                                        |                |                          |                         | Project ID : <b>AIR-Hazeltine DEC site#1-52-005</b> |                                    |                            |                           | Sampler Name(s) : <b>CF/CH</b>                                                                              |                                   |                                                                                                                                                          |        | Analysis           |                                  |             |       |                    |          |  |  |
| Customer Name : <b>AECOM Technical Services Northeast, Inc</b><br>Address : <b>300 Broadacres Drive</b><br>City : <b>Bloomfield</b><br>State : <b>NJ</b><br>Zip Code : <b>07003</b><br>Country : |                |                          |                         | Project Manager : <b>PAUL KARETH</b>                |                                    |                            |                           | <b>AIR ANALYSIS CHAIN-OF-CUSTODY</b>                                                                        |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
|                                                                                                                                                                                                  |                |                          |                         | Phone Number : <b>973-338-6680</b>                  |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
|                                                                                                                                                                                                  |                |                          |                         | Fax Number : <b>973-338-1052</b>                    |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
|                                                                                                                                                                                                  |                |                          |                         | Site Details:                                       |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
|                                                                                                                                                                                                  |                |                          |                         | Analysis Turnaround Time                            |                                    |                            |                           | Data Package Type :                                                                                         |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
|                                                                                                                                                                                                  |                |                          |                         | Standard : <b>15 business days</b>                  |                                    |                            |                           | EDD Type :                                                                                                  |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
| Rush (Specify): <b>Days</b>                                                                                                                                                                      |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
| Sample Identification                                                                                                                                                                            | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum In Field ("Hg) (Start)                   | Can Vacuum In Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)                                                                           | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID                                                                                                                                             | Can ID | Can Size (L)       | Flow Controller Readout (ml/min) | Can Cert ID | TO-15 | Indoor/Ambient Air | Soil Gas |  |  |
| SG-4                                                                                                                                                                                             | 4/11/10        | 1618                     | 1742                    | -27                                                 | -4                                 |                            |                           | -30                                                                                                         | -6.7                              | 10617                                                                                                                                                    | 10282  | 6 L                | 50                               | VM007483.D  | X     |                    | X        |  |  |
| Temperature (Fahrenheit)                                                                                                                                                                         |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   | GC/MS Analyst Signature (TO-15)                                     |        |                    |                                  |             |       |                    |          |  |  |
|                                                                                                                                                                                                  |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
| Start                                                                                                                                                                                            |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
| Stop                                                                                                                                                                                             |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
| Pressure (Inches of Hg)                                                                                                                                                                          |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   | ** Submittal of this COC indicates approval of the analysis based on existing conditions.<br><br>Please follow the instructions on the back of this COC. |        |                    |                                  |             |       |                    |          |  |  |
|                                                                                                                                                                                                  |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
| Start                                                                                                                                                                                            |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
| Stop                                                                                                                                                                                             |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
| Special Instructions/QC Requirements & Comments :                                                                                                                                                |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
| Suspected Contamination: High Medium Low PID Readings:                                                                                                                                           |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
| Sampling site (State):                                                                                                                                                                           |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
| Quick Connector required :                                                                                                                                                                       |                |                          |                         |                                                     |                                    |                            |                           |                                                                                                             |                                   |                                                                                                                                                          |        |                    |                                  |             |       |                    |          |  |  |
| Canisters Shipped by:                                                                                         |                |                          |                         | Date/Time: 4/12/10                                  |                                    |                            |                           | Canisters Received by:  |                                   |                                                                                                                                                          |        | Date/Time: 4/05/10 |                                  |             |       | B1003092 - 6       |          |  |  |
| Samples Relinquished by:                                                                                      |                |                          |                         | Date/Time: 4/12/10                                  |                                    |                            |                           | Received by:            |                                   |                                                                                                                                                          |        | Date/Time: 4/05/10 |                                  |             |       |                    |          |  |  |
| Relinquished by:                                                                                              |                |                          |                         | Date/Time: 4/05/10                                  |                                    |                            |                           | Received by:            |                                   |                                                                                                                                                          |        | Date/Time: 4/05/10 |                                  |             |       |                    |          |  |  |



284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHEMTECH Project No. :

B1786

|                                                                                                                                                                                                                      |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|---------------------------|-----------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------------|----------------------------------|-------------|-------|--|--|---------------------|--|--------------------|--|--|-----------|
| Client Contact Information                                                                                                                                                                                           |                |                          |                         |                                   |                                    | Bottle Order ID : <b>B1003092</b>    |                           |                                   |                                   | Courier :                                                                                                                                                |        |                                                                                                              |                                  | 1 of 1 COCs |       |  |  |                     |  |                    |  |  |           |
| Client ID : <b>EART05</b> Project ID : <b>AIR-Hazeltine DEC site#1-52-005</b>                                                                                                                                        |                |                          |                         |                                   |                                    | Sampler Name(s) : <b>CF/CH</b>       |                           |                                   |                                   | Analysis                                                                                                                                                 |        |                                                                                                              |                                  | Matrix      |       |  |  |                     |  |                    |  |  |           |
| Customer : <b>AECOM Technical Services</b><br>Name : <b>Northeast, Inc</b><br><br>Address : <b>300 Broadacres Drive</b><br><br>City : <b>Bloomfield</b><br>State : <b>NJ</b><br>Zip Code : <b>07003</b><br>Country : |                |                          |                         |                                   |                                    | Project Manager : <b>PAUL KARETH</b> |                           |                                   |                                   | <b>AIR ANALYSIS<br/>CHAIN-OF-CUSTODY</b>                                                                                                                 |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
|                                                                                                                                                                                                                      |                |                          |                         |                                   |                                    | Phone Number : <b>973-338-6680</b>   |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
|                                                                                                                                                                                                                      |                |                          |                         |                                   |                                    | Fax Number : <b>973-338-1052</b>     |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
|                                                                                                                                                                                                                      |                |                          |                         |                                   |                                    | Site Details:                        |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
|                                                                                                                                                                                                                      |                |                          |                         |                                   |                                    | Analysis Turnaround Time             |                           |                                   |                                   | Data Package Type :                                                                                                                                      |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
|                                                                                                                                                                                                                      |                |                          |                         |                                   |                                    | Standard : <b>15 business days</b>   |                           |                                   |                                   | EDD Type :                                                                                                                                               |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
| Rush (Specify): _____ Days                                                                                                                                                                                           |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
| Sample Identification                                                                                                                                                                                                | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start) | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start)           | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab) | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID                                                                                                                                             | Can ID | Can Size (L)                                                                                                 | Flow Controller Readout (ml/min) | Can Cert ID | TO-15 |  |  |                     |  | Indoor/Ambient Air |  |  | Solid Gas |
| S6-52                                                                                                                                                                                                                | 4/1/10         | 1511                     | 1649                    | -28                               | -6'                                |                                      |                           | -30                               | -6.3                              | 10528                                                                                                                                                    | 10195  | 6 L                                                                                                          | 50                               | VM007543.D  | X     |  |  |                     |  |                    |  |  | X         |
| Temperature (Fahrenheit)                                                                                                                                                                                             |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   | GC/MS Analyst Signature (TO-15)                                     |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
|                                                                                                                                                                                                                      |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
| Start                                                                                                                                                                                                                |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
| Stop                                                                                                                                                                                                                 |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
| Pressure (Inches of Hg)                                                                                                                                                                                              |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   | ** Submittal of this COC indicates approval of the analysis based on existing conditions.<br><br>Please follow the instructions on the back of this COC. |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
|                                                                                                                                                                                                                      |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
| Start                                                                                                                                                                                                                |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
| Stop                                                                                                                                                                                                                 |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
| Special Instructions/QC Requirements & Comments :                                                                                                                                                                    |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
| Suspected Contamination: High Medium Low PID Readings:                                                                                                                                                               |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
| Sampling site (State):                                                                                                                                                                                               |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
| Quick Connector required :                                                                                                                                                                                           |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                          |        |                                                                                                              |                                  |             |       |  |  |                     |  |                    |  |  |           |
| Canisters Shipped by:                                                                                                             |                |                          |                         |                                   |                                    | Date/Time: 03/25/10                  |                           |                                   |                                   |                                                                                                                                                          |        | Canisters Received by:  |                                  |             |       |  |  | Date/Time: 04/05/10 |  |                    |  |  |           |
| Samples Relinquished by:                                                                                                          |                |                          |                         |                                   |                                    | Date/Time: 4/1/10 4:50 PM            |                           |                                   |                                   |                                                                                                                                                          |        | Received by:            |                                  |             |       |  |  | Date/Time: 04/05/10 |  |                    |  |  |           |
| Relinquished by:                                                                                                                  |                |                          |                         |                                   |                                    | Date/Time: 04/05/10                  |                           |                                   |                                   |                                                                                                                                                          |        | Received by:            |                                  |             |       |  |  | Date/Time: 04/05/10 |  |                    |  |  |           |

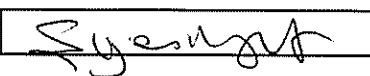
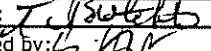
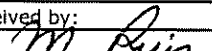
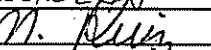
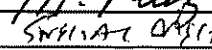
B1003092 - 3



284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHEMTECH Project No. :

B1786

|                                                                                                                                                                                                  |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------|----------------------------------|-------------|-------|--------------------|----------|
| Client Contact Information                                                                                                                                                                       |                |                          |                         |                                   |                                    | Bottle Order ID : <b>B1003092</b>    |                           |                                                                                                    |                                   | Courier :                                                                                                                                                |        |                     |                                  | 1 of 1 COCs |       |                    |          |
| Client ID : <b>EART05</b> Project ID : <b>AIR-Hazeltine DEC site#1-52-005</b>                                                                                                                    |                |                          |                         |                                   |                                    | Sampler Name(s) : <b>CF/CH</b>       |                           |                                                                                                    |                                   | Analysis                                                                                                                                                 |        |                     |                                  | Matrix      |       |                    |          |
| Customer Name : <b>AECOM Technical Services Northeast, Inc</b><br>Address : <b>300 Broadacres Drive</b><br>City : <b>Bloomfield</b><br>State : <b>NJ</b><br>Zip Code : <b>07003</b><br>Country : |                |                          |                         |                                   |                                    | Project Manager : <b>PAUL KARETH</b> |                           |                                                                                                    |                                   | <b>AIR ANALYSIS CHAIN-OF-CUSTODY</b>                                                                                                                     |        |                     |                                  |             |       |                    |          |
|                                                                                                                                                                                                  |                |                          |                         |                                   |                                    | Phone Number : <b>973-338-6680</b>   |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
|                                                                                                                                                                                                  |                |                          |                         |                                   |                                    | Fax Number : <b>973-338-1052</b>     |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
|                                                                                                                                                                                                  |                |                          |                         |                                   |                                    | Site Details:                        |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
| Analysis Turnaround Time                                                                                                                                                                         |                |                          |                         |                                   |                                    | Standard : <b>15 business days</b>   |                           |                                                                                                    |                                   | Data Package Type :                                                                                                                                      |        |                     |                                  |             |       |                    |          |
| Rush (Specify): _____ Days                                                                                                                                                                       |                |                          |                         |                                   |                                    | EDD Type :                           |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
| Sample Identification                                                                                                                                                                            | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start) | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start)           | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)                                                                  | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID                                                                                                                                             | Can ID | Can Size (L)        | Flow Controller Readout (ml/min) | Can Cert ID | TO-15 | Indoor/Ambient Air | Soil Gas |
| SG-5                                                                                                                                                                                             | 4/1/10         | 1430                     | 1623                    | -29                               | -6                                 |                                      |                           | -30                                                                                                | -7.1                              | 10770                                                                                                                                                    | 10279  | 6 L                 | 50                               | VM007483.D  | X     |                    | X        |
| Temperature (Fahrenheit)                                                                                                                                                                         |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   | GC/MS Analyst Signature (TO-15)                                     |        |                     |                                  |             |       |                    |          |
| Ambient Maximum Minimum                                                                                                                                                                          |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
| Start                                                                                                                                                                                            |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
| Stop                                                                                                                                                                                             |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
| Pressure (Inches of Hg)                                                                                                                                                                          |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   | ** Submittal of this COC indicates approval of the analysis based on existing conditions.<br><br>Please follow the instructions on the back of this COC. |        |                     |                                  |             |       |                    |          |
| Ambient Maximum Minimum                                                                                                                                                                          |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
| Start                                                                                                                                                                                            |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
| Stop                                                                                                                                                                                             |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
| Special Instructions/QC Requirements & Comments :                                                                                                                                                |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
| Suspected Contamination: High Medium Low PID Readings:                                                                                                                                           |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
| Sampling site (State):                                                                                                                                                                           |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
| Quick Connector required :                                                                                                                                                                       |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |
| Canisters Shipped by:                                                                                         |                |                          |                         | Date/Time: 03/25/10               |                                    |                                      |                           | Canisters Received by:                                                                             |                                   |                                                                                                                                                          |        | Date/Time:          |                                  |             |       |                    |          |
| Samples Relinquished by:                                                                                      |                |                          |                         | Date/Time: 4/5/10 4:22 PM         |                                    |                                      |                           | Received by:  |                                   |                                                                                                                                                          |        | Date/Time: 04/05/10 |                                  |             |       |                    |          |
| Relinquished by:                                                                                              |                |                          |                         | Date/Time: 04/05/10               |                                    |                                      |                           | Received by:  |                                   |                                                                                                                                                          |        | Date/Time: 04/05/10 |                                  |             |       |                    |          |
| B1003092 - 5                                                                                                                                                                                     |                |                          |                         |                                   |                                    |                                      |                           |                                                                                                    |                                   |                                                                                                                                                          |        |                     |                                  |             |       |                    |          |

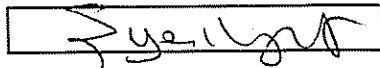
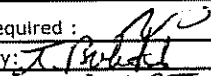
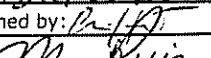
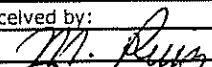
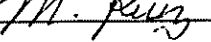
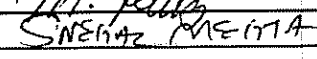


**CHEMTECH**

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHEMTECH Project No. :

B1786

|                                                                                                                                                                                                  |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                     |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|---------------------------|-----------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|----------------------------------|-------------------|-------|--|--|------------------------------------|--|--------------------|----------|
| Client Contact Information                                                                                                                                                                       |                |                          |                         |                                   |                                    | Bottle Order ID : <b>B1003092</b>    |                           |                                   |                                   | Courier :                                                                                                                                           |        |              |                                  | 1 of 1 COCs       |       |  |  |                                    |  |                    |          |
| Client ID : <b>EART05</b> Project ID : <b>AIR-Hazeltine DEC site#1-52-005</b>                                                                                                                    |                |                          |                         |                                   |                                    | Sampler Name(s) : <b>CF/CH</b>       |                           |                                   |                                   | Analysis                                                                                                                                            |        |              |                                  | Matrix            |       |  |  |                                    |  |                    |          |
| Customer Name : <b>AECOM Technical Services Northeast, Inc</b><br>Address : <b>300 Broadacres Drive</b><br>City : <b>Bloomfield</b><br>State : <b>NJ</b><br>Zip Code : <b>07003</b><br>Country : |                |                          |                         |                                   |                                    | Project Manager : <b>PAUL KARETH</b> |                           |                                   |                                   | <b>AIR ANALYSIS CHAIN-OF-CUSTODY</b>                                                                                                                |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
|                                                                                                                                                                                                  |                |                          |                         |                                   |                                    | Phone Number : <b>973-338-6680</b>   |                           |                                   |                                   |                                                                                                                                                     |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
|                                                                                                                                                                                                  |                |                          |                         |                                   |                                    | Fax Number : <b>973-338-1052</b>     |                           |                                   |                                   |                                                                                                                                                     |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
|                                                                                                                                                                                                  |                |                          |                         |                                   |                                    | Site Details:                        |                           |                                   |                                   |                                                                                                                                                     |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
| Analysis Turnaround Time                                                                                                                                                                         |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                     |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
| Standard : <b>15 business days</b>                                                                                                                                                               |                |                          |                         |                                   |                                    | Data Package Type :                  |                           |                                   |                                   |                                                                                                                                                     |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
| Rush (Specify): <b>Days</b>                                                                                                                                                                      |                |                          |                         |                                   |                                    | EDD Type :                           |                           |                                   |                                   |                                                                                                                                                     |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
| Sample Identification                                                                                                                                                                            | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start) | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start)           | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab) | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID                                                                                                                                        | Can ID | Can Size (L) | Flow Controller Readout (ml/min) | Can Cert ID       | TO-15 |  |  |                                    |  | Indoor/Ambient Air | Soil Gas |
| 07-1                                                                                                                                                                                             | 4/1/10         | 1129                     | 1938                    | -30                               | -10                                |                                      |                           | -30                               | -8.4                              | 10227                                                                                                                                               | 10303  | 6 L          | 12.5                             | VM005968.D        |       |  |  |                                    |  |                    |          |
| Temperature (Fahrenheit)                                                                                                                                                                         |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   | VM 006964.D<br>04/15/10<br>GC/MS Analyst Signature (TO-15)<br> |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
|                                                                                                                                                                                                  |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   | IND CERT.                                                                                                                                           |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
| Pressure (Inches of Hg)                                                                                                                                                                          |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   | ** Submittal of this COC indicates approval of the analysis based on existing conditions.                                                           |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
|                                                                                                                                                                                                  |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   | Please follow the instructions on the back of this COC.                                                                                             |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
| Special Instructions/QC Requirements & Comments :                                                                                                                                                |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                     |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
| Suspected Contamination: High Medium Low PID Readings:                                                                                                                                           |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                     |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
| Sampling site (State):                                                                                                                                                                           |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                     |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
| Quick Connector required :                                                                                                                                                                       |                |                          |                         |                                   |                                    |                                      |                           |                                   |                                   |                                                                                                                                                     |        |              |                                  |                   |       |  |  |                                    |  |                    |          |
| Canisters Shipped by:                                                                                         |                |                          |                         |                                   |                                    | Date/Time: 03/25/10                  |                           |                                   |                                   | Canisters Received by:                                                                                                                              |        |              |                                  | Date/Time:        |       |  |  | 5:50 pm<br>5:15 pm<br>B1003092 - 9 |  |                    |          |
| Samples Relinquished by:                                                                                      |                |                          |                         |                                   |                                    | Date/Time: 4/5/10 4:22 PM            |                           |                                   |                                   | Received by:                                                   |        |              |                                  | Date/Time: 4/5/10 |       |  |  |                                    |  |                    |          |
| Relinquished by:                                                                                              |                |                          |                         |                                   |                                    | Date/Time: 4/5/10                    |                           |                                   |                                   | Received by:                                                   |        |              |                                  | Date/Time: 4/5/10 |       |  |  |                                    |  |                    |          |

## Internal Chain of Custody

**Instructions:** Use 1 form for each 20 samples of aliquot

| Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample                                     |                                                                                                                                                                                                                          |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Laboratory: <u>Chemtech</u><br><u>DARWIN</u><br>Field Sample Seal No.: <u>B1786</u><br>Case No.: <u>AIR-Hazeltine DEC site#1-</u> | Location: <u>284 Sheffield Street, Mountainside, NJ 7092</u><br>Title: <u>Sample Custodian</u><br>Date Broken: <u>4/5/2010</u> Military Time Seal Broken: <u>17:50:00</u><br>Analytical Parameter/Fraction: <u>TO-15</u> |  |  |

| Sample No. | Aliquot/Extract No. | Sample No. | Aliquot/Extract No. |
|------------|---------------------|------------|---------------------|
| B1786-01   | SS-2                | B1786-11   | OA-1                |
| B1786-02   | SG-6                |            |                     |
| B1786-03   | IA-01               |            |                     |
| B1786-04   | SG-2                |            |                     |
| B1786-05   | SG-1                |            |                     |
| B1786-06   | SS-1                |            |                     |
| B1786-07   | SG-3                |            |                     |
| B1786-08   | SG-4                |            |                     |
| B1786-09   | SG-52               |            |                     |
| B1786-10   | SG-5                |            |                     |

| Date   | Time  | Relinquished By                | Received By                     | Purpose of Change of Custody |
|--------|-------|--------------------------------|---------------------------------|------------------------------|
| 4/6/10 | 16:10 | Signature <u>Ken Rivera</u>    | Signature <u>[Signature]</u>    | <u>To work Lab</u>           |
|        |       | Printed Name <u>Ken Rivera</u> | Printed Name <u>[Signature]</u> |                              |
|        |       | Signature                      | Signature                       |                              |
|        |       | Printed Name                   | Printed Name                    |                              |
|        |       | Signature                      | Signature                       |                              |
|        |       | Printed Name                   | Printed Name                    |                              |
|        |       | Signature                      | Signature                       |                              |
|        |       | Printed Name                   | Printed Name                    |                              |
|        |       | Signature                      | Signature                       |                              |
|        |       | Printed Name                   | Printed Name                    |                              |
|        |       | Signature                      | Signature                       |                              |
|        |       | Printed Name                   | Printed Name                    |                              |
|        |       | Signature                      | Signature                       |                              |
|        |       | Printed Name                   | Printed Name                    |                              |

Distribution: White - Original (Sent With Report)

Yellow - Contractor Archive

Pink - Sample Custodian - Interim Copy

**DATA REPORTING QUALIFIERS- ORGANIC**

For reporting results, the following “ Result Qualifiers” are used:

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value     | If the result is a value greater than or equal to the detection limit, report the value                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>U</b>  | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U. This is the detection limit attainable for this particular sample based on any concentration or dilution that may have been required.                                                                                                                                                                                                                            |
| <b>ND</b> | Indicates the compound was analyzed for but was not detected                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>J</b>  | Indicates an estimated value. This flag is used:<br><ol style="list-style-type: none"><li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li><li>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L, and a concentration of 3ug/L was calculated, report as 3 J.</li></ol> |
| <b>B</b>  | Indicates the analyte was found in the blank as well as the sample.                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>E</b>  | Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>D</b>  | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>P</b>  | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns.                                                                                                                                                                                                                                                                                                                                                     |
| <b>N</b>  | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.                                                                                                                                                                                                    |
| <b>A</b>  | This flag indicates that a Tentatively Identified Compound is a suspected Aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                        |



284 Sheffield Street Mountainside NJ 07092 Tel. 908-789-8900

## Laboratory Certification

| State         | License No. |
|---------------|-------------|
|               |             |
| New Jersey    | 20012       |
|               |             |
| New York      | 11376       |
|               |             |
| Connecticut   | PH-0649     |
|               |             |
| Maryland      | 296         |
|               |             |
| Massachusetts | M-NJ503     |
|               |             |
| Maine         | NJ0503      |
|               |             |
| Oklahoma      | 9705        |
|               |             |
| Pennsylvania  | 68-548      |
|               |             |
| Rhode Island  | LAO00259    |

QA Control Code: A2070148



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

## LAB CHRONICLE

**OrderID:** B1786  
**Client:** AECOM Technical Serv  
**Contact:** Claire Hunt

**OrderDate:** 4/6/2010 8:48:55 AM  
**Project:** AIR-Hazeltine DEC site#'  
**Location:** Air Lab

| LabID           | ClientID | Matrix | Test  | Method | Sample Date | Prep Date | Anal Date | Received |
|-----------------|----------|--------|-------|--------|-------------|-----------|-----------|----------|
| B1786-01        | SS-2     | AIR    | TO-15 | TO-15  | 04/01/10    |           | 04/09/10  | 04/05/10 |
| B1786-01DL      | SS-2DL   | AIR    | TO-15 | TO-15  | 04/01/10    |           | 04/09/10  | 04/05/10 |
| B1786-01DL<br>2 | SS-2DL2  | AIR    | TO-15 | TO-15  | 04/01/10    |           | 04/09/10  | 04/05/10 |
| B1786-02        | SG-6     | AIR    | TO-15 | TO-15  | 04/01/10    |           | 04/09/10  | 04/05/10 |
| B1786-02DL      | SG-6DL   | AIR    | TO-15 | TO-15  | 04/01/10    |           | 04/09/10  | 04/05/10 |
| B1786-03        | IA-01    | AIR    | TO-15 | TO-15  | 04/01/10    |           | 04/09/10  | 04/05/10 |
| B1786-03DL      | IA-01DL  | AIR    | TO-15 | TO-15  | 04/01/10    |           | 04/09/10  | 04/05/10 |
| B1786-04        | SG-2     | AIR    | TO-15 | TO-15  | 04/01/10    |           | 04/13/10  | 04/05/10 |
| B1786-04DL      | SG-2DL   | AIR    | TO-15 | TO-15  | 04/01/10    |           | 04/10/10  | 04/05/10 |
| B1786-04DL<br>2 | SG-2DL2  | AIR    | TO-15 | TO-15  | 04/01/10    |           | 04/13/10  | 04/05/10 |
| B1786-05        | SG-1     | AIR    | TO-15 | TO-15  | 04/01/10    |           | 04/09/10  | 04/05/10 |





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## LAB CHRONICLE

|                               |                 |            |       |       |                 |          |                 |
|-------------------------------|-----------------|------------|-------|-------|-----------------|----------|-----------------|
| <b>B1786-05DL</b>             | <b>SG-1DL</b>   | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/12/10 |                 |
| <b>B1786-06</b>               | <b>SS-1</b>     | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/09/10 |                 |
| <b>B1786-06DL</b>             | <b>SS-1DL</b>   | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/09/10 |                 |
| <b>B1786-07</b>               | <b>SG-3</b>     | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/09/10 |                 |
| <b>B1786-07DL</b>             | <b>SG-3DL</b>   | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/10/10 |                 |
| <b>B1786-08</b>               | <b>SG-4</b>     | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/10/10 |                 |
| <b>B1786-08DL</b>             | <b>SG-4DL</b>   | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/10/10 |                 |
| <b>B1786-08DL</b><br><b>2</b> | <b>SG-4DL2</b>  | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/12/10 |                 |
| <b>B1786-09</b>               | <b>SG-52</b>    | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/10/10 |                 |
| <b>B1786-09DL</b>             | <b>SG-52DL</b>  | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/13/10 |                 |
| <b>B1786-09DL</b><br><b>2</b> | <b>SG-52DL2</b> | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/13/10 |                 |
| <b>B1786-10</b>               | <b>SG-5</b>     | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/13/10 |                 |
| <b>B1786-10DL</b>             | <b>SG-5DL</b>   | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/13/10 |                 |
| <b>B1786-11</b>               | <b>OA-1</b>     | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                               |                 |            | TO-15 | TO-15 |                 | 04/09/10 |                 |

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**LAB CHRONICLE**

|                   |               |            |       |       |                 |          |                 |
|-------------------|---------------|------------|-------|-------|-----------------|----------|-----------------|
| <b>B1786-11RE</b> | <b>OA-1RE</b> | <b>AIR</b> |       |       | <b>04/01/10</b> |          | <b>04/05/10</b> |
|                   |               |            | TO-15 | TO-15 |                 | 04/12/10 |                 |



## CASE NARRATIVE

**AECOM Technical Services Northeast, Inc**  
**Project Name: AIR-Hazeltine DEC site#1-52-005**  
**Project # N/A**  
**Chemtech Project # B1786**

### **A. Number of Samples and Date of Receipt:**

11 Air samples were received on 4/5/10.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: and TO-15. This data package contains results for TO-15.

### **C. Analytical Techniques:**

The analysis performed on instrument MSVOA M were done using GC column RTX-1, which is 60 meters, 0.32 ID, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator. The method of analysis was TO-15

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for SS-2DL,SG-6DL,SS-1DL,SG-3DL,SG-4DL,SG-52, OA-1RE and OA-1.

The Retention Times were acceptable for all samples.

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Tuning criteria met requirements.

The Manual Integration was performed as following:

| Sample ID    | File ID    | Parameter                 | Review By | Review On           | Supervised By | Supervised On         | Reason                                  |
|--------------|------------|---------------------------|-----------|---------------------|---------------|-----------------------|-----------------------------------------|
| 0.1 PPBV RPT | VM007751.D | Ethanol                   | AHPatel   | 4/9/2010 3:30:25 AM | sam           | 4/9/2010 8:19:45 AM   | Peak Integrated by Software incorrectly |
| B1786-01     | VM007755.D | Dichlorotetrafluoroethane | sam       | 4/9/2010 6:17:18 PM | apatel        | 4/12/2010 10:28:26 AM | Peak Integrated by Software incorrectly |
| 5 PPBV ICC   | VM007795.D | Bromochloromethane        | sam       | 4/12/2010 5:16:38   | apatel        | 4/14/2010 1:18:49 PM  | Peak Integrated                         |

|            |            |                        |          |                      |        |                      |                                         |
|------------|------------|------------------------|----------|----------------------|--------|----------------------|-----------------------------------------|
|            |            |                        |          | PM                   |        |                      | by Software incorrectly                 |
| 5 PPBV ICC | VM007795.D | Chloromethane          | sam      | 4/12/2010 5:16:38 PM | apatel | 4/14/2010 1:18:49 PM | Peak Integrated by Software incorrectly |
| 5 PPBV ICC | VM007795.D | cis-1,2-Dichloroethene | sam      | 4/12/2010 5:16:38 PM | apatel | 4/14/2010 1:18:49 PM | Peak Integrated by Software incorrectly |
| B1786-04   | VM007817.D | Tetrachloroethene      | MMDadoda | 4/13/2010 8:05:52 AM | apatel | 4/16/2010 5:40:07 PM | Peak Integrated by Software incorrectly |

#### **E. Additional Comments:**

Due to potential high concentration samples SG-2 and SG-52 were initially analyzed at a dilution.

Samples SS-2, SS-2DL, IA-01, SG-2DL, SG-1, SS-1, SG-3, SG-4, SG-4DL, SG-52DL, SG-5 and SG-6 were diluted due to high concentrations.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature\_\_\_\_\_

Project:  
Field ID Number:  
Laboratory ID Number:

TARGET ANALYTES -  
AIR RESULTS

Sampling Date: \_\_/\_\_/\_\_\_\_  
Analysis Date: \_\_/\_\_/\_\_\_\_

| <b>Sample ID</b>               | <b>SS-2</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-----------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-01</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b> |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>      |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>1</b>        |                  |                        |   |                             |              |            |
|                                |                 |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number      | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8         | 120.9            | 0.4                    |   | 2.13                        |              |            |
| tert-butyl alcohol             | 75-65-0         | 74.12            | 6.1                    |   | 18.37                       |              |            |
| Chloromethane                  | 74-87-3         | 50.49            | 0.4                    |   | 0.74                        |              |            |
| Methyl Methacrylate            | 80-62-6         | 100.117          | 0.1                    | U | 0.41                        |              |            |
| Vinyl Chloride                 | 75-01-4         | 62.5             | 0.07                   | U | 0.18                        |              |            |
| Bromomethane                   | 74-83-9         | 94.94            | 0.03                   | U | 0.12                        |              |            |
| Chloroethane                   | 75-00-3         | 64.52            | 0.07                   | U | 0.18                        |              |            |
| Trichlorofluoromethane         | 75-69-4         | 137.4            | 16.3                   | E | 91.71                       |              |            |
| Dichlorotetrafluoroethane      | 76-14-2         | 170.9            | 0.04                   | U | 0.28                        |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1         | 187.4            | 20.1                   | E | 154.06                      |              |            |
| Bromoethene                    | 593-60-2        | 106.9            | 0.03                   | U | 0.13                        |              |            |
| Heptane                        | 142-82-5        | 100.2            | 2.3                    |   | 9.47                        |              |            |
| 1,1-Dichloroethene             | 75-35-4         | 96.94            | 4.7                    |   | 18.52                       |              |            |
| Acetone                        | 67-64-1         | 58.08            | 65.6                   | E | 155.88                      |              |            |
| Carbon Disulfide               | 75-15-0         | 76.14            | 0.05                   | U | 0.16                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4       | 88.15            | 0.05                   | U | 0.18                        |              |            |
| Methylene Chloride             | 75-09-2         | 84.94            | 0.9                    |   | 3.16                        |              |            |
| Allyl Chloride                 | 107-05-1        | 76.53            | 0.05                   | U | 0.16                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5        | 96.94            | 2.2                    |   | 8.6                         |              |            |
| 1,1-Dichloroethane             | 75-34-3         | 98.96            | 1.9                    |   | 7.77                        |              |            |
| Cyclohexane                    | 110-82-7        | 84.16            | 0.3                    |   | 1.03                        |              |            |
| 2-Butanone                     | 78-93-3         | 72.11            | 21.4                   | E | 63.09                       |              |            |
| Carbon Tetrachloride           | 56-23-5         | 153.8            | 0.07                   |   | 0.44                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2        | 96.94            | 25.1                   | E | 99.36                       |              |            |
| Chloroform                     | 67-66-3         | 119.4            | 1.1                    |   | 5.23                        |              |            |
| 1,4-Dioxane                    | 123-91-1        | 88.12            | 0.5                    |   | 1.69                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6         | 133.4            | 19.6                   | E | 106.77                      |              |            |
| Tetrahydrofuran                | 109-99-9        | 72.11            | 0.08                   | U | 0.24                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1        | 114.2            | 0.8                    |   | 3.6                         |              |            |
| Benzene                        | 71-43-2         | 78.11            | 2.3                    |   | 7.48                        |              |            |
| 1,2-Dichloroethane             | 107-06-2        | 98.96            | 0.07                   | U | 0.28                        |              |            |
| Trichloroethene                | 79-01-6         | 131.4            | 24.6                   | E | 132.04                      |              |            |
| 1,2-Dichloropropane            | 78-87-5         | 113              | 0.06                   | U | 0.28                        |              |            |
| Bromodichloromethane           | 75-27-4         | 163.8            | 0.05                   | U | 0.33                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1        | 100.2            | 1.4                    |   | 5.57                        |              |            |
| Toluene                        | 108-88-3        | 92.14            | 11.6                   |   | 43.83                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6      | 111              | 0.07                   | U | 0.32                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5      | 111              | 0.06                   | U | 0.27                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5         | 133.4            | 0.08                   | U | 0.44                        |              |            |
| Dibromochloromethane           | 124-48-1        | 208.3            | 0.05                   | U | 0.43                        |              |            |
| 1,2-Dibromoethane              | 106-93-4        | 187.9            | 0.07                   | U | 0.54                        |              |            |
| Tetrachloroethene              | 127-18-4        | 165.8            | 260                    | E | 1760.06                     |              |            |
| Chlorobenzene                  | 108-90-7        | 112.6            | 0.2                    |   | 0.69                        |              |            |
| Ethyl Benzene                  | 100-41-4        | 106.2            | 0.7                    |   | 3                           |              |            |

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Analysis Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

| <b>Sample ID</b>          | <b>SS-2</b>       |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-01</b>   |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>1</b>                |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 2.2                           |          | 9.64                               |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.4                           |          | 1.74                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.5                           |          | 1.92                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.05                          | U        | 0.52                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 0.1                           | U        | 0.69                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 0.1                           | U        | 0.52                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.09                          | U        | 0.44                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 0.2                           |          | 1.18                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.1                           | J        | 0.44                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.08                          | U        | 0.48                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.06                          | U        | 0.36                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.07                          | U        | 0.42                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.04                          | U        | 0.3                                |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.08                          | U        | 0.85                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.09                          | U        | 0.2                                |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 2.8                           |          | 10.01                              |                     |                   |

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Analysis Date: \_\_\_/\_\_\_/\_\_\_

| <b>Sample ID</b>               | <b>SS-2DL</b>     |                         |                               |          |                                    |                     |                   |
|--------------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>       | <b>B1786-01DL</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>           |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>                  |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>         |                   | <b>10</b>               |                               |          |                                    |                     |                   |
|                                |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>                | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| Dichlorodifluoromethane        | 75-71-8           | 120.9                   | 0.4                           | U        | 1.98                               |                     |                   |
| tert-butyl alcohol             | 75-65-0           | 74.12                   | 5.5                           | D        | 16.67                              |                     |                   |
| Chloromethane                  | 74-87-3           | 50.49                   | 0.6                           | U        | 1.24                               |                     |                   |
| Methyl Methacrylate            | 80-62-6           | 100.117                 | 1                             | U        | 4.09                               |                     |                   |
| Vinyl Chloride                 | 75-01-4           | 62.5                    | 0.7                           | U        | 1.79                               |                     |                   |
| Bromomethane                   | 74-83-9           | 94.94                   | 0.3                           | U        | 1.16                               |                     |                   |
| Chloroethane                   | 75-00-3           | 64.52                   | 0.7                           | U        | 1.85                               |                     |                   |
| Trichlorofluoromethane         | 75-69-4           | 137.4                   | 11.5                          | D        | 64.63                              |                     |                   |
| Dichlorotetrafluoroethane      | 76-14-2           | 170.9                   | 0.4                           | U        | 2.8                                |                     |                   |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1           | 187.4                   | 22.8                          | D        | 174.75                             |                     |                   |
| Bromoethene                    | 593-60-2          | 106.9                   | 0.3                           | U        | 1.31                               |                     |                   |
| Heptane                        | 142-82-5          | 100.2                   | 2.1                           | D        | 8.61                               |                     |                   |
| 1,1-Dichloroethene             | 75-35-4           | 96.94                   | 4.1                           | D        | 16.26                              |                     |                   |
| Acetone                        | 67-64-1           | 58.08                   | 66.5                          | D        | 157.97                             |                     |                   |
| Carbon Disulfide               | 75-15-0           | 76.14                   | 0.5                           | U        | 1.56                               |                     |                   |
| Methyl tert-Butyl Ether        | 1634-04-4         | 88.15                   | 0.5                           | U        | 1.8                                |                     |                   |
| Methylene Chloride             | 75-09-2           | 84.94                   | 1.2                           | D        | 4.17                               |                     |                   |
| Allyl Chloride                 | 107-05-1          | 76.53                   | 0.5                           | U        | 1.57                               |                     |                   |
| trans-1,2-Dichloroethene       | 156-60-5          | 96.94                   | 1.8                           | D        | 7.14                               |                     |                   |
| 1,1-Dichloroethane             | 75-34-3           | 98.96                   | 1.7                           | D        | 6.88                               |                     |                   |
| Cyclohexane                    | 110-82-7          | 84.16                   | 0.8                           | U        | 2.75                               |                     |                   |
| 2-Butanone                     | 78-93-3           | 72.11                   | 13.1                          | D        | 38.64                              |                     |                   |
| Carbon Tetrachloride           | 56-23-5           | 153.8                   | 0.4                           | U        | 2.52                               |                     |                   |
| cis-1,2-Dichloroethene         | 156-59-2          | 96.94                   | 23.8                          | D        | 94.36                              |                     |                   |
| Chloroform                     | 67-66-3           | 119.4                   | 1.4                           | D        | 6.84                               |                     |                   |
| 1,4-Dioxane                    | 123-91-1          | 88.12                   | 0.9                           | U        | 3.24                               |                     |                   |
| 1,1,1-Trichloroethane          | 71-55-6           | 133.4                   | 26.6                          | D        | 145.13                             |                     |                   |
| Tetrahydrofuran                | 109-99-9          | 72.11                   | 0.8                           | U        | 2.36                               |                     |                   |
| 2,2,4-Trimethylpentane         | 540-84-1          | 114.2                   | 0.4                           | U        | 1.87                               |                     |                   |
| Benzene                        | 71-43-2           | 78.11                   | 2                             | D        | 6.39                               |                     |                   |
| 1,2-Dichloroethane             | 107-06-2          | 98.96                   | 0.7                           | U        | 2.83                               |                     |                   |
| Trichloroethene                | 79-01-6           | 131.4                   | 23                            | D        | 123.61                             |                     |                   |
| 1,2-Dichloropropane            | 78-87-5           | 113                     | 0.6                           | U        | 2.77                               |                     |                   |
| Bromodichloromethane           | 75-27-4           | 163.8                   | 0.5                           | U        | 3.35                               |                     |                   |
| 4-Methyl-2-Pentanone           | 108-10-1          | 100.2                   | 1                             | JD       | 4.1                                |                     |                   |
| Toluene                        | 108-88-3          | 92.14                   | 10.6                          | D        | 39.95                              |                     |                   |
| t-1,3-Dichloropropene          | 10061-02-6        | 111                     | 0.7                           | U        | 3.18                               |                     |                   |
| cis-1,3-Dichloropropene        | 10061-01-5        | 111                     | 0.6                           | U        | 2.72                               |                     |                   |
| 1,1,2-Trichloroethane          | 79-00-5           | 133.4                   | 0.8                           | U        | 4.36                               |                     |                   |
| Dibromochloromethane           | 124-48-1          | 208.3                   | 0.5                           | U        | 4.26                               |                     |                   |
| 1,2-Dibromoethane              | 106-93-4          | 187.9                   | 0.7                           | U        | 5.38                               |                     |                   |
| Tetrachloroethene              | 127-18-4          | 165.8                   | 907                           | ED       | 6149.18                            |                     |                   |
| Chlorobenzene                  | 108-90-7          | 112.6                   | 0.9                           | U        | 4.14                               |                     |                   |
| Ethyl Benzene                  | 100-41-4          | 106.2                   | 0.8                           | U        | 3.47                               |                     |                   |

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| <b>Sample ID</b>          | <b>SS-2DL</b>     |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-01DL</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>10</b>               |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 1.5                           | JD       | 6.52                               |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.7                           | U        | 3.04                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.7                           | U        | 2.98                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.5                           | U        | 5.17                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 1                             | U        | 6.87                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 1                             | U        | 5.18                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.9                           | U        | 4.42                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 1                             | U        | 4.92                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.8                           | U        | 3.93                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.8                           | U        | 4.81                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.6                           | U        | 3.61                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.7                           | U        | 4.21                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.4                           | U        | 2.97                               |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.8                           | U        | 8.53                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.9                           | U        | 1.99                               |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 2.6                           | D        | 9.16                               |                     |                   |

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| <b>Sample ID</b>               | <b>SS-2DL2</b>     |                  |                        |   |                             |              |            |
|--------------------------------|--------------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-01DL2</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b>    |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>         |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>400</b>         |                  |                        |   |                             |              |            |
|                                |                    |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number         | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8            | 120.9            | 16                     | U | 79.12                       |              |            |
| tert-butyl alcohol             | 75-65-0            | 74.12            | 40                     | U | 121.26                      |              |            |
| Chloromethane                  | 74-87-3            | 50.49            | 24                     | U | 49.56                       |              |            |
| Methyl Methacrylate            | 80-62-6            | 100.117          | 40                     | U | 163.79                      |              |            |
| Vinyl Chloride                 | 75-01-4            | 62.5             | 28                     | U | 71.57                       |              |            |
| Bromomethane                   | 74-83-9            | 94.94            | 12                     | U | 46.6                        |              |            |
| Chloroethane                   | 75-00-3            | 64.52            | 28                     | U | 73.89                       |              |            |
| Trichlorofluoromethane         | 75-69-4            | 137.4            | 16                     | U | 89.91                       |              |            |
| Dichlorotetrafluoroethane      | 76-14-2            | 170.9            | 16                     | U | 111.84                      |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1            | 187.4            | 16                     | U | 122.63                      |              |            |
| Bromoethene                    | 593-60-2           | 106.9            | 12                     | U | 52.47                       |              |            |
| Heptane                        | 142-82-5           | 100.2            | 24                     | U | 98.36                       |              |            |
| 1,1-Dichloroethene             | 75-35-4            | 96.94            | 20                     | U | 79.3                        |              |            |
| Acetone                        | 67-64-1            | 58.08            | 40                     | U | 95.02                       |              |            |
| Carbon Disulfide               | 75-15-0            | 76.14            | 20                     | U | 62.28                       |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4          | 88.15            | 20                     | U | 72.11                       |              |            |
| Methylene Chloride             | 75-09-2            | 84.94            | 20                     | U | 69.48                       |              |            |
| Allyl Chloride                 | 107-05-1           | 76.53            | 20                     | U | 62.6                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5           | 96.94            | 24                     | U | 95.16                       |              |            |
| 1,1-Dichloroethane             | 75-34-3            | 98.96            | 16                     | U | 64.76                       |              |            |
| Cyclohexane                    | 110-82-7           | 84.16            | 32                     | U | 110.15                      |              |            |
| 2-Butanone                     | 78-93-3            | 72.11            | 40                     | U | 117.97                      |              |            |
| Carbon Tetrachloride           | 56-23-5            | 153.8            | 16                     | U | 100.65                      |              |            |
| cis-1,2-Dichloroethene         | 156-59-2           | 96.94            | 24                     | U | 95.16                       |              |            |
| Chloroform                     | 67-66-3            | 119.4            | 8                      | U | 39.07                       |              |            |
| 1,4-Dioxane                    | 123-91-1           | 88.12            | 36                     | U | 129.75                      |              |            |
| 1,1,1-Trichloroethane          | 71-55-6            | 133.4            | 16                     | U | 87.3                        |              |            |
| Tetrahydrofuran                | 109-99-9           | 72.11            | 32                     | U | 94.38                       |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1           | 114.2            | 16                     | U | 74.73                       |              |            |
| Benzene                        | 71-43-2            | 78.11            | 16                     | U | 51.11                       |              |            |
| 1,2-Dichloroethane             | 107-06-2           | 98.96            | 28                     | U | 113.33                      |              |            |
| Trichloroethene                | 79-01-6            | 131.4            | 16                     | U | 85.99                       |              |            |
| 1,2-Dichloropropane            | 78-87-5            | 113              | 24                     | U | 110.92                      |              |            |
| Bromodichloromethane           | 75-27-4            | 163.8            | 20                     | U | 133.99                      |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1           | 100.2            | 24                     | U | 98.36                       |              |            |
| Toluene                        | 108-88-3           | 92.14            | 20                     | U | 75.37                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6         | 111              | 28                     | U | 127.12                      |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5         | 111              | 24                     | U | 108.96                      |              |            |
| 1,1,2-Trichloroethane          | 79-00-5            | 133.4            | 32                     | U | 174.59                      |              |            |
| Dibromochloromethane           | 124-48-1           | 208.3            | 20                     | U | 170.39                      |              |            |
| 1,2-Dibromoethane              | 106-93-4           | 187.9            | 28                     | U | 215.18                      |              |            |
| Tetrachloroethene              | 127-18-4           | 165.8            | 1320                   | D | 8978.29                     |              |            |
| Chlorobenzene                  | 108-90-7           | 112.6            | 36                     | U | 165.79                      |              |            |
| Ethyl Benzene                  | 100-41-4           | 106.2            | 32                     | U | 138.99                      |              |            |

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| <b>Sample ID</b>          | <b>SS-2DL2</b>     |                  |                        |   |                             |              |            |
|---------------------------|--------------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>  | <b>B1786-01DL2</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>      |                    | <b>4/1/2010</b>  |                        |   |                             |              |            |
| <b>Matrix</b>             |                    | <b>AIR</b>       |                        |   |                             |              |            |
| <b>Dilution Factor</b>    |                    | <b>400</b>       |                        |   |                             |              |            |
|                           |                    |                  |                        |   |                             |              |            |
| Chemical                  | CAS Number         | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| m/p-Xylene                | 179601-23          | 106.2            | 44                     | U | 191.12                      |              |            |
| o-Xylene                  | 95-47-6            | 106.2            | 28                     | U | 121.62                      |              |            |
| Styrene                   | 100-42-5           | 104.1            | 28                     | U | 119.21                      |              |            |
| Bromoform                 | 75-25-2            | 252.8            | 20                     | U | 206.79                      |              |            |
| 1,1,2,2-Tetrachloroethane | 79-34-5            | 167.9            | 40                     | U | 274.68                      |              |            |
| 2-Chlorotoluene           | 95-49-8            | 126.6            | 40                     | U | 207.12                      |              |            |
| 1,3,5-Trimethylbenzene    | 108-67-8           | 120.2            | 36                     | U | 176.98                      |              |            |
| 1,2,4-Trimethylbenzene    | 95-63-6            | 120.2            | 40                     | U | 196.65                      |              |            |
| 4-Ethyltoluene            | 622-96-8           | 120.2            | 32                     | U | 157.32                      |              |            |
| 1,3-Dichlorobenzene       | 541-73-1           | 147              | 32                     | U | 192.39                      |              |            |
| 1,4-Dichlorobenzene       | 106-46-7           | 147              | 24                     | U | 144.29                      |              |            |
| 1,2-Dichlorobenzene       | 95-50-1            | 147              | 28                     | U | 168.34                      |              |            |
| 1,2,4-Trichlorobenzene    | 120-82-1           | 181.5            | 16                     | U | 118.77                      |              |            |
| Hexachloro-1,3-Butadiene  | 87-68-3            | 260.8            | 32                     | U | 341.33                      |              |            |
| 1,3-Butadiene             | 106-99-0           | 54.09            | 36                     | U | 79.64                       |              |            |
| Hexane                    | 110-54-3           | 86.17            | 16                     | U | 56.39                       |              |            |

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| <b>Sample ID</b>               | <b>SG-6</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-----------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-02</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b> |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>      |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>1</b>        |                  |                        |   |                             |              |            |
|                                |                 |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number      | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8         | 120.9            | 0.5                    |   | 2.47                        |              |            |
| tert-butyl alcohol             | 75-65-0         | 74.12            | 2.4                    |   | 7.37                        |              |            |
| Chloromethane                  | 74-87-3         | 50.49            | 3.8                    |   | 7.93                        |              |            |
| Methyl Methacrylate            | 80-62-6         | 100.117          | 0.1                    | U | 0.41                        |              |            |
| Vinyl Chloride                 | 75-01-4         | 62.5             | 0.07                   | U | 0.18                        |              |            |
| Bromomethane                   | 74-83-9         | 94.94            | 0.1                    |   | 0.43                        |              |            |
| Chloroethane                   | 75-00-3         | 64.52            | 0.3                    |   | 0.84                        |              |            |
| Trichlorofluoromethane         | 75-69-4         | 137.4            | 0.3                    |   | 1.52                        |              |            |
| Dichlorotetrafluoroethane      | 76-14-2         | 170.9            | 0.04                   | U | 0.28                        |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1         | 187.4            | 0.1                    |   | 1.07                        |              |            |
| Bromoethene                    | 593-60-2        | 106.9            | 0.03                   | U | 0.13                        |              |            |
| Heptane                        | 142-82-5        | 100.2            | 1.1                    |   | 4.63                        |              |            |
| 1,1-Dichloroethene             | 75-35-4         | 96.94            | 0.05                   | U | 0.2                         |              |            |
| Acetone                        | 67-64-1         | 58.08            | 70.9                   | E | 168.35                      |              |            |
| Carbon Disulfide               | 75-15-0         | 76.14            | 0.05                   | U | 0.16                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4       | 88.15            | 0.05                   | U | 0.18                        |              |            |
| Methylene Chloride             | 75-09-2         | 84.94            | 0.4                    |   | 1.39                        |              |            |
| Allyl Chloride                 | 107-05-1        | 76.53            | 0.05                   | U | 0.16                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5        | 96.94            | 0.06                   | U | 0.24                        |              |            |
| 1,1-Dichloroethane             | 75-34-3         | 98.96            | 0.1                    | J | 0.32                        |              |            |
| Cyclohexane                    | 110-82-7        | 84.16            | 0.1                    |   | 0.41                        |              |            |
| 2-Butanone                     | 78-93-3         | 72.11            | 2.5                    |   | 7.46                        |              |            |
| Carbon Tetrachloride           | 56-23-5         | 153.8            | 0.09                   |   | 0.57                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2        | 96.94            | 0.06                   | U | 0.24                        |              |            |
| Chloroform                     | 67-66-3         | 119.4            | 0.5                    |   | 2.44                        |              |            |
| 1,4-Dioxane                    | 123-91-1        | 88.12            | 1                      |   | 3.64                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6         | 133.4            | 1.2                    |   | 6.77                        |              |            |
| Tetrahydrofuran                | 109-99-9        | 72.11            | 0.4                    |   | 1.15                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1        | 114.2            | 0.3                    |   | 1.45                        |              |            |
| Benzene                        | 71-43-2         | 78.11            | 1.3                    |   | 4.28                        |              |            |
| 1,2-Dichloroethane             | 107-06-2        | 98.96            | 0.07                   | U | 0.28                        |              |            |
| Trichloroethene                | 79-01-6         | 131.4            | 0.32                   |   | 1.72                        |              |            |
| 1,2-Dichloropropane            | 78-87-5         | 113              | 0.06                   | U | 0.28                        |              |            |
| Bromodichloromethane           | 75-27-4         | 163.8            | 0.05                   | U | 0.33                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1        | 100.2            | 0.5                    |   | 2.13                        |              |            |
| Toluene                        | 108-88-3        | 92.14            | 10.3                   |   | 38.85                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6      | 111              | 0.07                   | U | 0.32                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5      | 111              | 0.06                   | U | 0.27                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5         | 133.4            | 0.08                   | U | 0.44                        |              |            |
| Dibromochloromethane           | 124-48-1        | 208.3            | 0.05                   | U | 0.43                        |              |            |
| 1,2-Dibromoethane              | 106-93-4        | 187.9            | 0.07                   | U | 0.54                        |              |            |
| Tetrachloroethene              | 127-18-4        | 165.8            | 4.23                   |   | 28.68                       |              |            |
| Chlorobenzene                  | 108-90-7        | 112.6            | 0.09                   | U | 0.41                        |              |            |
| Ethyl Benzene                  | 100-41-4        | 106.2            | 0.6                    |   | 2.65                        |              |            |

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| <b>Sample ID</b>          | <b>SG-6</b>       |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-02</b>   |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>1</b>                |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 2.5                           |          | 10.82                              |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.3                           |          | 1.13                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.1                           |          | 0.47                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.05                          | U        | 0.52                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 0.1                           | U        | 0.69                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 0.1                           | U        | 0.52                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.09                          | U        | 0.44                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 0.1                           |          | 0.54                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.2                           |          | 0.79                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.08                          | U        | 0.48                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.06                          | U        | 0.36                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.07                          | U        | 0.42                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.04                          | U        | 0.3                                |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.08                          | U        | 0.85                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.09                          | U        | 0.2                                |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 1                             |          | 3.59                               |                     |                   |

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| <b>Sample ID</b>               | <b>SG-6DL</b>     |                  |                        |    |                             |              |            |
|--------------------------------|-------------------|------------------|------------------------|----|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-02DL</b> |                  |                        |    |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b>   |                  |                        |    |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>        |                  |                        |    |                             |              |            |
| <b>Dilution Factor</b>         | <b>10</b>         |                  |                        |    |                             |              |            |
|                                |                   |                  |                        |    |                             |              |            |
| Chemical                       | CAS Number        | Molecular Weight | Insert Results in ppbv | Q  | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8           | 120.9            | 0.5                    | JD | 2.47                        |              |            |
| tert-butyl alcohol             | 75-65-0           | 74.12            | 1.7                    | D  | 5.15                        |              |            |
| Chloromethane                  | 74-87-3           | 50.49            | 2.7                    | D  | 5.58                        |              |            |
| Methyl Methacrylate            | 80-62-6           | 100.117          | 1                      | U  | 4.09                        |              |            |
| Vinyl Chloride                 | 75-01-4           | 62.5             | 0.7                    | U  | 1.79                        |              |            |
| Bromomethane                   | 74-83-9           | 94.94            | 0.3                    | U  | 1.16                        |              |            |
| Chloroethane                   | 75-00-3           | 64.52            | 0.7                    | U  | 1.85                        |              |            |
| Trichlorofluoromethane         | 75-69-4           | 137.4            | 0.4                    | U  | 2.25                        |              |            |
| Dichlorotetrafluoroethane      | 76-14-2           | 170.9            | 0.4                    | U  | 2.8                         |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1           | 187.4            | 0.4                    | U  | 3.07                        |              |            |
| Bromoethene                    | 593-60-2          | 106.9            | 0.3                    | U  | 1.31                        |              |            |
| Heptane                        | 142-82-5          | 100.2            | 0.8                    | JD | 3.28                        |              |            |
| 1,1-Dichloroethene             | 75-35-4           | 96.94            | 0.5                    | U  | 1.98                        |              |            |
| Acetone                        | 67-64-1           | 58.08            | 63.8                   | D  | 151.55                      |              |            |
| Carbon Disulfide               | 75-15-0           | 76.14            | 0.5                    | U  | 1.56                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4         | 88.15            | 0.5                    | U  | 1.8                         |              |            |
| Methylene Chloride             | 75-09-2           | 84.94            | 0.5                    | U  | 1.74                        |              |            |
| Allyl Chloride                 | 107-05-1          | 76.53            | 0.5                    | U  | 1.57                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5          | 96.94            | 0.6                    | U  | 2.38                        |              |            |
| 1,1-Dichloroethane             | 75-34-3           | 98.96            | 0.4                    | U  | 1.62                        |              |            |
| Cyclohexane                    | 110-82-7          | 84.16            | 0.8                    | U  | 2.75                        |              |            |
| 2-Butanone                     | 78-93-3           | 72.11            | 1.8                    | D  | 5.31                        |              |            |
| Carbon Tetrachloride           | 56-23-5           | 153.8            | 0.4                    | U  | 2.52                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2          | 96.94            | 0.6                    | U  | 2.38                        |              |            |
| Chloroform                     | 67-66-3           | 119.4            | 0.2                    | U  | 0.98                        |              |            |
| 1,4-Dioxane                    | 123-91-1          | 88.12            | 0.9                    | U  | 3.24                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6           | 133.4            | 0.9                    | JD | 4.91                        |              |            |
| Tetrahydrofuran                | 109-99-9          | 72.11            | 0.8                    | U  | 2.36                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1          | 114.2            | 0.4                    | U  | 1.87                        |              |            |
| Benzene                        | 71-43-2           | 78.11            | 1                      | JD | 3.19                        |              |            |
| 1,2-Dichloroethane             | 107-06-2          | 98.96            | 0.7                    | U  | 2.83                        |              |            |
| Trichloroethene                | 79-01-6           | 131.4            | 0.4                    | U  | 2.15                        |              |            |
| 1,2-Dichloropropane            | 78-87-5           | 113              | 0.6                    | U  | 2.77                        |              |            |
| Bromodichloromethane           | 75-27-4           | 163.8            | 0.5                    | U  | 3.35                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1          | 100.2            | 0.6                    | U  | 2.46                        |              |            |
| Toluene                        | 108-88-3          | 92.14            | 7.8                    | D  | 29.39                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6        | 111              | 0.7                    | U  | 3.18                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5        | 111              | 0.6                    | U  | 2.72                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5           | 133.4            | 0.8                    | U  | 4.36                        |              |            |
| Dibromochloromethane           | 124-48-1          | 208.3            | 0.5                    | U  | 4.26                        |              |            |
| 1,2-Dibromoethane              | 106-93-4          | 187.9            | 0.7                    | U  | 5.38                        |              |            |
| Tetrachloroethene              | 127-18-4          | 165.8            | 3.4                    | D  | 23.06                       |              |            |
| Chlorobenzene                  | 108-90-7          | 112.6            | 0.9                    | U  | 4.14                        |              |            |
| Ethyl Benzene                  | 100-41-4          | 106.2            | 0.8                    | U  | 3.47                        |              |            |

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| <b>Sample ID</b>          | <b>SG-6DL</b>     |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-02DL</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>10</b>               |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 1.8                           | JD       | 7.82                               |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.7                           | U        | 3.04                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.7                           | U        | 2.98                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.5                           | U        | 5.17                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 1                             | U        | 6.87                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 1                             | U        | 5.18                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.9                           | U        | 4.42                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 1                             | U        | 4.92                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.8                           | U        | 3.93                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.8                           | U        | 4.81                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.6                           | U        | 3.61                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.7                           | U        | 4.21                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.4                           | U        | 2.97                               |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.8                           | U        | 8.53                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.9                           | U        | 1.99                               |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 0.4                           | U        | 1.41                               |                     |                   |

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| <b>Sample ID</b>               | <b>IA-01</b>    |                  |                        |   |                             |              |            |
|--------------------------------|-----------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-03</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b> |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>      |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>1</b>        |                  |                        |   |                             |              |            |
|                                |                 |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number      | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8         | 120.9            | 0.4                    |   | 1.83                        |              |            |
| tert-butyl alcohol             | 75-65-0         | 74.12            | 0.1                    | U | 0.3                         |              |            |
| Chloromethane                  | 74-87-3         | 50.49            | 0.4                    |   | 0.81                        |              |            |
| Methyl Methacrylate            | 80-62-6         | 100.117          | 0.1                    | U | 0.41                        |              |            |
| Vinyl Chloride                 | 75-01-4         | 62.5             | 0.07                   | U | 0.18                        |              |            |
| Bromomethane                   | 74-83-9         | 94.94            | 0.03                   | U | 0.12                        |              |            |
| Chloroethane                   | 75-00-3         | 64.52            | 0.07                   | U | 0.18                        |              |            |
| Trichlorofluoromethane         | 75-69-4         | 137.4            | 19.8                   | E | 111.1                       |              |            |
| Dichlorotetrafluoroethane      | 76-14-2         | 170.9            | 0.04                   | U | 0.28                        |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1         | 187.4            | 0.1                    | J | 0.54                        |              |            |
| Bromoethene                    | 593-60-2        | 106.9            | 0.03                   | U | 0.13                        |              |            |
| Heptane                        | 142-82-5        | 100.2            | 1                      |   | 4.22                        |              |            |
| 1,1-Dichloroethene             | 75-35-4         | 96.94            | 0.05                   | U | 0.2                         |              |            |
| Acetone                        | 67-64-1         | 58.08            | 33.6                   | E | 79.72                       |              |            |
| Carbon Disulfide               | 75-15-0         | 76.14            | 0.05                   | U | 0.16                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4       | 88.15            | 0.05                   | U | 0.18                        |              |            |
| Methylene Chloride             | 75-09-2         | 84.94            | 0.8                    |   | 2.61                        |              |            |
| Allyl Chloride                 | 107-05-1        | 76.53            | 0.05                   | U | 0.16                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5        | 96.94            | 1.4                    |   | 5.35                        |              |            |
| 1,1-Dichloroethane             | 75-34-3         | 98.96            | 0.04                   | U | 0.16                        |              |            |
| Cyclohexane                    | 110-82-7        | 84.16            | 0.1                    |   | 0.38                        |              |            |
| 2-Butanone                     | 78-93-3         | 72.11            | 25                     | E | 73.64                       |              |            |
| Carbon Tetrachloride           | 56-23-5         | 153.8            | 0.06                   |   | 0.38                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2        | 96.94            | 0.06                   | U | 0.24                        |              |            |
| Chloroform                     | 67-66-3         | 119.4            | 0.02                   | U | 0.1                         |              |            |
| 1,4-Dioxane                    | 123-91-1        | 88.12            | 0.09                   | U | 0.32                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6         | 133.4            | 0.1                    | J | 0.44                        |              |            |
| Tetrahydrofuran                | 109-99-9        | 72.11            | 0.08                   | U | 0.24                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1        | 114.2            | 0.2                    |   | 0.84                        |              |            |
| Benzene                        | 71-43-2         | 78.11            | 0.4                    |   | 1.25                        |              |            |
| 1,2-Dichloroethane             | 107-06-2        | 98.96            | 0.07                   | U | 0.28                        |              |            |
| Trichloroethene                | 79-01-6         | 131.4            | 0.05                   |   | 0.27                        |              |            |
| 1,2-Dichloropropane            | 78-87-5         | 113              | 0.06                   | U | 0.28                        |              |            |
| Bromodichloromethane           | 75-27-4         | 163.8            | 0.05                   | U | 0.33                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1        | 100.2            | 1.4                    |   | 5.57                        |              |            |
| Toluene                        | 108-88-3        | 92.14            | 4.8                    |   | 18.05                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6      | 111              | 0.07                   | U | 0.32                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5      | 111              | 0.06                   | U | 0.27                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5         | 133.4            | 0.08                   | U | 0.44                        |              |            |
| Dibromochloromethane           | 124-48-1        | 208.3            | 0.05                   | U | 0.43                        |              |            |
| 1,2-Dibromoethane              | 106-93-4        | 187.9            | 0.07                   | U | 0.54                        |              |            |
| Tetrachloroethene              | 127-18-4        | 165.8            | 4.13                   |   | 28.01                       |              |            |
| Chlorobenzene                  | 108-90-7        | 112.6            | 0.09                   | U | 0.41                        |              |            |
| Ethyl Benzene                  | 100-41-4        | 106.2            | 0.5                    |   | 2                           |              |            |

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| <b>Sample ID</b>          | <b>IA-01</b>      |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-03</b>   |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>1</b>                |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 1.5                           |          | 6.43                               |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.3                           |          | 1.3                                |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.5                           |          | 2.13                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.05                          | U        | 0.52                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 0.1                           | U        | 0.69                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 0.1                           | U        | 0.52                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.09                          | U        | 0.44                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 0.2                           |          | 0.93                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.08                          | U        | 0.39                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.08                          | U        | 0.48                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.06                          | U        | 0.36                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.07                          | U        | 0.42                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.04                          | U        | 0.3                                |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.08                          | U        | 0.85                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.09                          | U        | 0.2                                |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 1                             |          | 3.52                               |                     |                   |

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| <b>Sample ID</b>               | <b>IA-01DL</b>    |                  |                        |    |                             |              |            |
|--------------------------------|-------------------|------------------|------------------------|----|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-03DL</b> |                  |                        |    |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b>   |                  |                        |    |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>        |                  |                        |    |                             |              |            |
| <b>Dilution Factor</b>         | <b>10</b>         |                  |                        |    |                             |              |            |
|                                |                   |                  |                        |    |                             |              |            |
| Chemical                       | CAS Number        | Molecular Weight | Insert Results in ppbv | Q  | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8           | 120.9            | 0.4                    | U  | 1.98                        |              |            |
| tert-butyl alcohol             | 75-65-0           | 74.12            | 1                      | U  | 3.03                        |              |            |
| Chloromethane                  | 74-87-3           | 50.49            | 0.6                    | U  | 1.24                        |              |            |
| Methyl Methacrylate            | 80-62-6           | 100.117          | 1                      | U  | 4.09                        |              |            |
| Vinyl Chloride                 | 75-01-4           | 62.5             | 0.7                    | U  | 1.79                        |              |            |
| Bromomethane                   | 74-83-9           | 94.94            | 0.3                    | U  | 1.16                        |              |            |
| Chloroethane                   | 75-00-3           | 64.52            | 0.7                    | U  | 1.85                        |              |            |
| Trichlorofluoromethane         | 75-69-4           | 137.4            | 7.9                    | D  | 44.4                        |              |            |
| Dichlorotetrafluoroethane      | 76-14-2           | 170.9            | 0.4                    | U  | 2.8                         |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1           | 187.4            | 0.4                    | U  | 3.07                        |              |            |
| Bromoethene                    | 593-60-2          | 106.9            | 0.3                    | U  | 1.31                        |              |            |
| Heptane                        | 142-82-5          | 100.2            | 0.6                    | U  | 2.46                        |              |            |
| 1,1-Dichloroethene             | 75-35-4           | 96.94            | 0.5                    | U  | 1.98                        |              |            |
| Acetone                        | 67-64-1           | 58.08            | 32.8                   | D  | 77.92                       |              |            |
| Carbon Disulfide               | 75-15-0           | 76.14            | 0.5                    | U  | 1.56                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4         | 88.15            | 0.5                    | U  | 1.8                         |              |            |
| Methylene Chloride             | 75-09-2           | 84.94            | 0.5                    | U  | 1.74                        |              |            |
| Allyl Chloride                 | 107-05-1          | 76.53            | 0.5                    | U  | 1.57                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5          | 96.94            | 1                      | JD | 3.96                        |              |            |
| 1,1-Dichloroethane             | 75-34-3           | 98.96            | 0.4                    | U  | 1.62                        |              |            |
| Cyclohexane                    | 110-82-7          | 84.16            | 0.8                    | U  | 2.75                        |              |            |
| 2-Butanone                     | 78-93-3           | 72.11            | 26.3                   | D  | 77.57                       |              |            |
| Carbon Tetrachloride           | 56-23-5           | 153.8            | 0.4                    | U  | 2.52                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2          | 96.94            | 0.6                    | U  | 2.38                        |              |            |
| Chloroform                     | 67-66-3           | 119.4            | 0.2                    | U  | 0.98                        |              |            |
| 1,4-Dioxane                    | 123-91-1          | 88.12            | 0.9                    | U  | 3.24                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6           | 133.4            | 0.4                    | U  | 2.18                        |              |            |
| Tetrahydrofuran                | 109-99-9          | 72.11            | 0.8                    | U  | 2.36                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1          | 114.2            | 0.4                    | U  | 1.87                        |              |            |
| Benzene                        | 71-43-2           | 78.11            | 0.4                    | U  | 1.28                        |              |            |
| 1,2-Dichloroethane             | 107-06-2          | 98.96            | 0.7                    | U  | 2.83                        |              |            |
| Trichloroethene                | 79-01-6           | 131.4            | 0.4                    | U  | 2.15                        |              |            |
| 1,2-Dichloropropane            | 78-87-5           | 113              | 0.6                    | U  | 2.77                        |              |            |
| Bromodichloromethane           | 75-27-4           | 163.8            | 0.5                    | U  | 3.35                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1          | 100.2            | 1                      | JD | 4.1                         |              |            |
| Toluene                        | 108-88-3          | 92.14            | 3.5                    | D  | 13.19                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6        | 111              | 0.7                    | U  | 3.18                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5        | 111              | 0.6                    | U  | 2.72                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5           | 133.4            | 0.8                    | U  | 4.36                        |              |            |
| Dibromochloromethane           | 124-48-1          | 208.3            | 0.5                    | U  | 4.26                        |              |            |
| 1,2-Dibromoethane              | 106-93-4          | 187.9            | 0.7                    | U  | 5.38                        |              |            |
| Tetrachloroethene              | 127-18-4          | 165.8            | 3                      | D  | 20.34                       |              |            |
| Chlorobenzene                  | 108-90-7          | 112.6            | 0.9                    | U  | 4.14                        |              |            |
| Ethyl Benzene                  | 100-41-4          | 106.2            | 0.8                    | U  | 3.47                        |              |            |

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| <b>Sample ID</b>          | <b>IA-01DL</b>    |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-03DL</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>10</b>               |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 1.1                           | U        | 4.78                               |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.7                           | U        | 3.04                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.7                           | U        | 2.98                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.5                           | U        | 5.17                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 1                             | U        | 6.87                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 1                             | U        | 5.18                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.9                           | U        | 4.42                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 1                             | U        | 4.92                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.8                           | U        | 3.93                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.8                           | U        | 4.81                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.6                           | U        | 3.61                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.7                           | U        | 4.21                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.4                           | U        | 2.97                               |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.8                           | U        | 8.53                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.9                           | U        | 1.99                               |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 0.4                           | U        | 1.41                               |                     |                   |

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| <b>Sample ID</b>               | <b>SG-2</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-----------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-04</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b> |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>      |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>10</b>       |                  |                        |   |                             |              |            |
|                                |                 |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number      | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8         | 120.9            | 0.4                    | J | 1.98                        |              |            |
| tert-butyl alcohol             | 75-65-0         | 74.12            | 1.6                    |   | 4.85                        |              |            |
| Chloromethane                  | 74-87-3         | 50.49            | 0.6                    | U | 1.24                        |              |            |
| Methyl Methacrylate            | 80-62-6         | 100.117          | 1                      | U | 4.09                        |              |            |
| Vinyl Chloride                 | 75-01-4         | 62.5             | 0.7                    | U | 1.79                        |              |            |
| Bromomethane                   | 74-83-9         | 94.94            | 0.3                    | U | 1.16                        |              |            |
| Chloroethane                   | 75-00-3         | 64.52            | 0.7                    | U | 1.85                        |              |            |
| Trichlorofluoromethane         | 75-69-4         | 137.4            | 0.4                    | U | 2.25                        |              |            |
| Dichlorotetrafluoroethane      | 76-14-2         | 170.9            | 0.4                    | U | 2.8                         |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1         | 187.4            | 3.8                    |   | 29.13                       |              |            |
| Bromoethene                    | 593-60-2        | 106.9            | 0.3                    | U | 1.31                        |              |            |
| Heptane                        | 142-82-5        | 100.2            | 1.6                    |   | 6.56                        |              |            |
| 1,1-Dichloroethene             | 75-35-4         | 96.94            | 6.2                    |   | 24.58                       |              |            |
| Acetone                        | 67-64-1         | 58.08            | 57.7                   |   | 137.06                      |              |            |
| Carbon Disulfide               | 75-15-0         | 76.14            | 0.5                    | U | 1.56                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4       | 88.15            | 0.5                    | U | 1.8                         |              |            |
| Methylene Chloride             | 75-09-2         | 84.94            | 2.8                    |   | 9.73                        |              |            |
| Allyl Chloride                 | 107-05-1        | 76.53            | 0.5                    | U | 1.57                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5        | 96.94            | 79.4                   |   | 314.81                      |              |            |
| 1,1-Dichloroethane             | 75-34-3         | 98.96            | 44.1                   |   | 178.49                      |              |            |
| Cyclohexane                    | 110-82-7        | 84.16            | 0.8                    | U | 2.75                        |              |            |
| 2-Butanone                     | 78-93-3         | 72.11            | 2                      |   | 5.9                         |              |            |
| Carbon Tetrachloride           | 56-23-5         | 153.8            | 0.4                    | U | 2.52                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2        | 96.94            | 1650                   | E | 6530.86                     |              |            |
| Chloroform                     | 67-66-3         | 119.4            | 0.9                    | J | 4.4                         |              |            |
| 1,4-Dioxane                    | 123-91-1        | 88.12            | 0.9                    | U | 3.24                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6         | 133.4            | 229                    | E | 1249.98                     |              |            |
| Tetrahydrofuran                | 109-99-9        | 72.11            | 0.8                    | U | 2.36                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1        | 114.2            | 0.4                    | U | 1.87                        |              |            |
| Benzene                        | 71-43-2         | 78.11            | 2.5                    |   | 7.99                        |              |            |
| 1,2-Dichloroethane             | 107-06-2        | 98.96            | 0.7                    | U | 2.83                        |              |            |
| Trichloroethene                | 79-01-6         | 131.4            | 1160                   | E | 6258.29                     |              |            |
| 1,2-Dichloropropane            | 78-87-5         | 113              | 0.6                    | U | 2.77                        |              |            |
| Bromodichloromethane           | 75-27-4         | 163.8            | 0.5                    | U | 3.35                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1        | 100.2            | 0.6                    | U | 2.46                        |              |            |
| Toluene                        | 108-88-3        | 92.14            | 18.1                   |   | 68.21                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6      | 111              | 0.7                    | U | 3.18                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5      | 111              | 0.6                    | U | 2.72                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5         | 133.4            | 0.8                    | U | 4.36                        |              |            |
| Dibromochloromethane           | 124-48-1        | 208.3            | 0.5                    | U | 4.26                        |              |            |
| 1,2-Dibromoethane              | 106-93-4        | 187.9            | 0.7                    | U | 5.38                        |              |            |
| Tetrachloroethene              | 127-18-4        | 165.8            | 3520                   | E | 23837.23                    |              |            |
| Chlorobenzene                  | 108-90-7        | 112.6            | 0.9                    | U | 4.14                        |              |            |
| Ethyl Benzene                  | 100-41-4        | 106.2            | 1.1                    |   | 4.78                        |              |            |

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| <b>Sample ID</b>          | <b>SG-2</b>     |                  |                        |   |                             |              |            |
|---------------------------|-----------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>  | <b>B1786-04</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>      |                 | <b>4/1/2010</b>  |                        |   |                             |              |            |
| <b>Matrix</b>             |                 | <b>AIR</b>       |                        |   |                             |              |            |
| <b>Dilution Factor</b>    |                 | <b>10</b>        |                        |   |                             |              |            |
|                           |                 |                  |                        |   |                             |              |            |
| Chemical                  | CAS Number      | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| m/p-Xylene                | 179601-23       | 106.2            | 4.1                    |   | 17.81                       |              |            |
| o-Xylene                  | 95-47-6         | 106.2            | 0.7                    | U | 3.04                        |              |            |
| Styrene                   | 100-42-5        | 104.1            | 0.7                    | U | 2.98                        |              |            |
| Bromoform                 | 75-25-2         | 252.8            | 0.5                    | U | 5.17                        |              |            |
| 1,1,2,2-Tetrachloroethane | 79-34-5         | 167.9            | 1                      | U | 6.87                        |              |            |
| 2-Chlorotoluene           | 95-49-8         | 126.6            | 1                      | U | 5.18                        |              |            |
| 1,3,5-Trimethylbenzene    | 108-67-8        | 120.2            | 0.9                    | U | 4.42                        |              |            |
| 1,2,4-Trimethylbenzene    | 95-63-6         | 120.2            | 1                      | U | 4.92                        |              |            |
| 4-Ethyltoluene            | 622-96-8        | 120.2            | 0.8                    | U | 3.93                        |              |            |
| 1,3-Dichlorobenzene       | 541-73-1        | 147              | 0.8                    | U | 4.81                        |              |            |
| 1,4-Dichlorobenzene       | 106-46-7        | 147              | 0.6                    | U | 3.61                        |              |            |
| 1,2-Dichlorobenzene       | 95-50-1         | 147              | 0.7                    | U | 4.21                        |              |            |
| 1,2,4-Trichlorobenzene    | 120-82-1        | 181.5            | 0.4                    | U | 2.97                        |              |            |
| Hexachloro-1,3-Butadiene  | 87-68-3         | 260.8            | 0.8                    | U | 8.53                        |              |            |
| 1,3-Butadiene             | 106-99-0        | 54.09            | 0.9                    | U | 1.99                        |              |            |
| Hexane                    | 110-54-3        | 86.17            | 1.4                    |   | 4.93                        |              |            |

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| <b>Sample ID</b>               | <b>SG-2DL</b>     |                  |                        |    |                             |              |            |
|--------------------------------|-------------------|------------------|------------------------|----|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-04DL</b> |                  |                        |    |                             |              |            |
| <b>Sampling Date</b>           |                   | <b>4/1/2010</b>  |                        |    |                             |              |            |
| <b>Matrix</b>                  |                   | <b>AIR</b>       |                        |    |                             |              |            |
| <b>Dilution Factor</b>         |                   | <b>440</b>       |                        |    |                             |              |            |
|                                |                   |                  |                        |    |                             |              |            |
| Chemical                       | CAS Number        | Molecular Weight | Insert Results in ppbv | Q  | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8           | 120.9            | 18                     | U  | 89.01                       |              |            |
| tert-butyl alcohol             | 75-65-0           | 74.12            | 44                     | U  | 133.39                      |              |            |
| Chloromethane                  | 74-87-3           | 50.49            | 26                     | U  | 53.69                       |              |            |
| Methyl Methacrylate            | 80-62-6           | 100.117          | 44                     | U  | 180.17                      |              |            |
| Vinyl Chloride                 | 75-01-4           | 62.5             | 31                     | U  | 79.24                       |              |            |
| Bromomethane                   | 74-83-9           | 94.94            | 13                     | U  | 50.48                       |              |            |
| Chloroethane                   | 75-00-3           | 64.52            | 31                     | U  | 81.8                        |              |            |
| Trichlorofluoromethane         | 75-69-4           | 137.4            | 18                     | U  | 101.15                      |              |            |
| Dichlorotetrafluoroethane      | 76-14-2           | 170.9            | 18                     | U  | 125.82                      |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1           | 187.4            | 18                     | U  | 137.96                      |              |            |
| Bromoethene                    | 593-60-2          | 106.9            | 13                     | U  | 56.84                       |              |            |
| Heptane                        | 142-82-5          | 100.2            | 26                     | U  | 106.55                      |              |            |
| 1,1-Dichloroethene             | 75-35-4           | 96.94            | 22                     | U  | 87.23                       |              |            |
| Acetone                        | 67-64-1           | 58.08            | 44                     | U  | 104.52                      |              |            |
| Carbon Disulfide               | 75-15-0           | 76.14            | 22                     | U  | 68.51                       |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4         | 88.15            | 22                     | U  | 79.32                       |              |            |
| Methylene Chloride             | 75-09-2           | 84.94            | 22                     | U  | 76.43                       |              |            |
| Allyl Chloride                 | 107-05-1          | 76.53            | 22                     | U  | 68.86                       |              |            |
| trans-1,2-Dichloroethene       | 156-60-5          | 96.94            | 44                     | JD | 174.45                      |              |            |
| 1,1-Dichloroethane             | 75-34-3           | 98.96            | 18                     | U  | 72.85                       |              |            |
| Cyclohexane                    | 110-82-7          | 84.16            | 35                     | U  | 120.47                      |              |            |
| 2-Butanone                     | 78-93-3           | 72.11            | 44                     | U  | 129.77                      |              |            |
| Carbon Tetrachloride           | 56-23-5           | 153.8            | 18                     | U  | 113.23                      |              |            |
| cis-1,2-Dichloroethene         | 156-59-2          | 96.94            | 3520                   | D  | 13938.74                    |              |            |
| Chloroform                     | 67-66-3           | 119.4            | 8.8                    | U  | 42.97                       |              |            |
| 1,4-Dioxane                    | 123-91-1          | 88.12            | 40                     | U  | 144.16                      |              |            |
| 1,1,1-Trichloroethane          | 71-55-6           | 133.4            | 180                    | D  | 984.27                      |              |            |
| Tetrahydrofuran                | 109-99-9          | 72.11            | 35                     | U  | 103.22                      |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1          | 114.2            | 18                     | U  | 84.07                       |              |            |
| Benzene                        | 71-43-2           | 78.11            | 18                     | U  | 57.5                        |              |            |
| 1,2-Dichloroethane             | 107-06-2          | 98.96            | 31                     | U  | 125.47                      |              |            |
| Trichloroethene                | 79-01-6           | 131.4            | 1290                   | D  | 6952.11                     |              |            |
| 1,2-Dichloropropane            | 78-87-5           | 113              | 26                     | U  | 120.16                      |              |            |
| Bromodichloromethane           | 75-27-4           | 163.8            | 22                     | U  | 147.39                      |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1          | 100.2            | 26                     | U  | 106.55                      |              |            |
| Toluene                        | 108-88-3          | 92.14            | 22                     | U  | 82.91                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6        | 111              | 31                     | U  | 140.74                      |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5        | 111              | 26                     | U  | 118.04                      |              |            |
| 1,1,2-Trichloroethane          | 79-00-5           | 133.4            | 35                     | U  | 190.96                      |              |            |
| Dibromochloromethane           | 124-48-1          | 208.3            | 22                     | U  | 187.43                      |              |            |
| 1,2-Dibromoethane              | 106-93-4          | 187.9            | 31                     | U  | 238.24                      |              |            |
| Tetrachloroethene              | 127-18-4          | 165.8            | 23700                  | ED | 160643.6                    |              |            |
| Chlorobenzene                  | 108-90-7          | 112.6            | 40                     | U  | 184.21                      |              |            |
| Ethyl Benzene                  | 100-41-4          | 106.2            | 35                     | U  | 152.02                      |              |            |

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| <b>Sample ID</b>          | <b>SG-2DL</b>     |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-04DL</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>440</b>              |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 48                            | U        | 208.49                             |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 31                            | U        | 134.65                             |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 31                            | U        | 131.99                             |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 22                            | U        | 227.47                             |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 44                            | U        | 302.15                             |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 44                            | U        | 227.83                             |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 40                            | U        | 196.65                             |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 44                            | U        | 216.31                             |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 35                            | U        | 172.07                             |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 35                            | U        | 210.43                             |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 26                            | U        | 156.32                             |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 31                            | U        | 186.38                             |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 18                            | U        | 133.62                             |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 35                            | U        | 373.33                             |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 40                            | U        | 88.49                              |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 18                            | U        | 63.44                              |                     |                   |

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| <b>Sample ID</b>               | <b>SG-2DL2</b>     |                  |                        |   |                             |              |            |
|--------------------------------|--------------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-04DL2</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b>    |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>         |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>4400</b>        |                  |                        |   |                             |              |            |
|                                |                    |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number         | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8            | 120.9            | 180                    | U | 890.06                      |              |            |
| tert-butyl alcohol             | 75-65-0            | 74.12            | 440                    | U | 1333.86                     |              |            |
| Chloromethane                  | 74-87-3            | 50.49            | 260                    | U | 536.91                      |              |            |
| Methyl Methacrylate            | 80-62-6            | 100.117          | 440                    | U | 1801.7                      |              |            |
| Vinyl Chloride                 | 75-01-4            | 62.5             | 310                    | U | 792.43                      |              |            |
| Bromomethane                   | 74-83-9            | 94.94            | 130                    | U | 504.79                      |              |            |
| Chloroethane                   | 75-00-3            | 64.52            | 310                    | U | 818.04                      |              |            |
| Trichlorofluoromethane         | 75-69-4            | 137.4            | 180                    | U | 1011.53                     |              |            |
| Dichlorotetrafluoroethane      | 76-14-2            | 170.9            | 180                    | U | 1258.16                     |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1            | 187.4            | 180                    | U | 1379.63                     |              |            |
| Bromoethene                    | 593-60-2           | 106.9            | 130                    | U | 568.38                      |              |            |
| Heptane                        | 142-82-5           | 100.2            | 260                    | U | 1065.52                     |              |            |
| 1,1-Dichloroethene             | 75-35-4            | 96.94            | 220                    | U | 872.26                      |              |            |
| Acetone                        | 67-64-1            | 58.08            | 440                    | U | 1045.2                      |              |            |
| Carbon Disulfide               | 75-15-0            | 76.14            | 220                    | U | 685.1                       |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4          | 88.15            | 220                    | U | 793.17                      |              |            |
| Methylene Chloride             | 75-09-2            | 84.94            | 220                    | U | 764.29                      |              |            |
| Allyl Chloride                 | 107-05-1           | 76.53            | 220                    | U | 688.61                      |              |            |
| trans-1,2-Dichloroethene       | 156-60-5           | 96.94            | 260                    | U | 1030.85                     |              |            |
| 1,1-Dichloroethane             | 75-34-3            | 98.96            | 180                    | U | 728.54                      |              |            |
| Cyclohexane                    | 110-82-7           | 84.16            | 350                    | U | 1204.74                     |              |            |
| 2-Butanone                     | 78-93-3            | 72.11            | 440                    | U | 1297.69                     |              |            |
| Carbon Tetrachloride           | 56-23-5            | 153.8            | 180                    | U | 1132.27                     |              |            |
| cis-1,2-Dichloroethene         | 156-59-2           | 96.94            | 2950                   | D | 11688.31                    |              |            |
| Chloroform                     | 67-66-3            | 119.4            | 88                     | U | 429.74                      |              |            |
| 1,4-Dioxane                    | 123-91-1           | 88.12            | 400                    | U | 1441.64                     |              |            |
| 1,1,1-Trichloroethane          | 71-55-6            | 133.4            | 180                    | U | 982.09                      |              |            |
| Tetrahydrofuran                | 109-99-9           | 72.11            | 350                    | U | 1032.25                     |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1           | 114.2            | 180                    | U | 840.74                      |              |            |
| Benzene                        | 71-43-2            | 78.11            | 180                    | U | 575.04                      |              |            |
| 1,2-Dichloroethane             | 107-06-2           | 98.96            | 310                    | U | 1254.71                     |              |            |
| Trichloroethene                | 79-01-6            | 131.4            | 1100                   | D | 5911.66                     |              |            |
| 1,2-Dichloropropane            | 78-87-5            | 113              | 260                    | U | 1201.64                     |              |            |
| Bromodichloromethane           | 75-27-4            | 163.8            | 220                    | U | 1473.87                     |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1           | 100.2            | 260                    | U | 1065.52                     |              |            |
| Toluene                        | 108-88-3           | 92.14            | 220                    | U | 829.07                      |              |            |
| t-1,3-Dichloropropene          | 10061-02-6         | 111              | 310                    | U | 1407.36                     |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5         | 111              | 260                    | U | 1180.37                     |              |            |
| 1,1,2-Trichloroethane          | 79-00-5            | 133.4            | 350                    | U | 1909.61                     |              |            |
| Dibromochloromethane           | 124-48-1           | 208.3            | 220                    | U | 1874.27                     |              |            |
| 1,2-Dibromoethane              | 106-93-4           | 187.9            | 310                    | U | 2382.37                     |              |            |
| Tetrachloroethene              | 127-18-4           | 165.8            | 19500                  | D | 132477.3                    |              |            |
| Chlorobenzene                  | 108-90-7           | 112.6            | 400                    | U | 1842.13                     |              |            |
| Ethyl Benzene                  | 100-41-4           | 106.2            | 350                    | U | 1520.25                     |              |            |

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| <b>Sample ID</b>          | <b>SG-2DL2</b>     |                         |                               |          |                                    |                     |                   |
|---------------------------|--------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-04DL2</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                    | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                    | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                    | <b>4400</b>             |                               |          |                                    |                     |                   |
|                           |                    |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b>  | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23          | 106.2                   | 480                           | U        | 2084.91                            |                     |                   |
| o-Xylene                  | 95-47-6            | 106.2                   | 310                           | U        | 1346.5                             |                     |                   |
| Styrene                   | 100-42-5           | 104.1                   | 310                           | U        | 1319.88                            |                     |                   |
| Bromoform                 | 75-25-2            | 252.8                   | 220                           | U        | 2274.68                            |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5            | 167.9                   | 440                           | U        | 3021.51                            |                     |                   |
| 2-Chlorotoluene           | 95-49-8            | 126.6                   | 440                           | U        | 2278.28                            |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8           | 120.2                   | 400                           | U        | 1966.46                            |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6            | 120.2                   | 440                           | U        | 2163.11                            |                     |                   |
| 4-Ethyltoluene            | 622-96-8           | 120.2                   | 350                           | U        | 1720.65                            |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1           | 147                     | 350                           | U        | 2104.29                            |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7           | 147                     | 260                           | U        | 1563.19                            |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1            | 147                     | 310                           | U        | 1863.8                             |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1           | 181.5                   | 180                           | U        | 1336.2                             |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3            | 260.8                   | 350                           | U        | 3733.33                            |                     |                   |
| 1,3-Butadiene             | 106-99-0           | 54.09                   | 400                           | U        | 884.91                             |                     |                   |
| Hexane                    | 110-54-3           | 86.17                   | 180                           | U        | 634.38                             |                     |                   |

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| <b>Sample ID</b>               | <b>SG-1</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-----------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-05</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b> |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>      |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>1</b>        |                  |                        |   |                             |              |            |
|                                |                 |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number      | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8         | 120.9            | 0.4                    |   | 1.73                        |              |            |
| tert-butyl alcohol             | 75-65-0         | 74.12            | 3                      |   | 9.03                        |              |            |
| Chloromethane                  | 74-87-3         | 50.49            | 0.1                    |   | 0.27                        |              |            |
| Methyl Methacrylate            | 80-62-6         | 100.117          | 0.1                    | U | 0.41                        |              |            |
| Vinyl Chloride                 | 75-01-4         | 62.5             | 0.07                   | U | 0.18                        |              |            |
| Bromomethane                   | 74-83-9         | 94.94            | 0.03                   | U | 0.12                        |              |            |
| Chloroethane                   | 75-00-3         | 64.52            | 0.07                   | U | 0.18                        |              |            |
| Trichlorofluoromethane         | 75-69-4         | 137.4            | 0.2                    |   | 1.18                        |              |            |
| Dichlorotetrafluoroethane      | 76-14-2         | 170.9            | 0.04                   | U | 0.28                        |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1         | 187.4            | 0.5                    |   | 3.99                        |              |            |
| Bromoethene                    | 593-60-2        | 106.9            | 0.03                   | U | 0.13                        |              |            |
| Heptane                        | 142-82-5        | 100.2            | 6.6                    |   | 27.17                       |              |            |
| 1,1-Dichloroethene             | 75-35-4         | 96.94            | 0.2                    |   | 0.79                        |              |            |
| Acetone                        | 67-64-1         | 58.08            | 92.3                   | E | 219.23                      |              |            |
| Carbon Disulfide               | 75-15-0         | 76.14            | 6.9                    |   | 21.39                       |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4       | 88.15            | 0.05                   | U | 0.18                        |              |            |
| Methylene Chloride             | 75-09-2         | 84.94            | 1.8                    |   | 6.36                        |              |            |
| Allyl Chloride                 | 107-05-1        | 76.53            | 0.05                   | U | 0.16                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5        | 96.94            | 0.06                   | U | 0.24                        |              |            |
| 1,1-Dichloroethane             | 75-34-3         | 98.96            | 0.04                   | U | 0.16                        |              |            |
| Cyclohexane                    | 110-82-7        | 84.16            | 1.7                    |   | 5.99                        |              |            |
| 2-Butanone                     | 78-93-3         | 72.11            | 10.1                   |   | 29.88                       |              |            |
| Carbon Tetrachloride           | 56-23-5         | 153.8            | 0.18                   |   | 1.13                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2        | 96.94            | 0.1                    |   | 0.48                        |              |            |
| Chloroform                     | 67-66-3         | 119.4            | 0.02                   | U | 0.1                         |              |            |
| 1,4-Dioxane                    | 123-91-1        | 88.12            | 0.09                   | U | 0.32                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6         | 133.4            | 0.3                    |   | 1.36                        |              |            |
| Tetrahydrofuran                | 109-99-9        | 72.11            | 10.1                   |   | 29.76                       |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1        | 114.2            | 3.2                    |   | 14.99                       |              |            |
| Benzene                        | 71-43-2         | 78.11            | 12.9                   |   | 41.05                       |              |            |
| 1,2-Dichloroethane             | 107-06-2        | 98.96            | 0.07                   | U | 0.28                        |              |            |
| Trichloroethene                | 79-01-6         | 131.4            | 0.32                   |   | 1.72                        |              |            |
| 1,2-Dichloropropane            | 78-87-5         | 113              | 0.06                   | U | 0.28                        |              |            |
| Bromodichloromethane           | 75-27-4         | 163.8            | 0.05                   | U | 0.33                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1        | 100.2            | 0.06                   | U | 0.25                        |              |            |
| Toluene                        | 108-88-3        | 92.14            | 45.4                   | E | 171.05                      |              |            |
| t-1,3-Dichloropropene          | 10061-02-6      | 111              | 0.07                   | U | 0.32                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5      | 111              | 0.06                   | U | 0.27                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5         | 133.4            | 0.08                   | U | 0.44                        |              |            |
| Dibromochloromethane           | 124-48-1        | 208.3            | 0.05                   | U | 0.43                        |              |            |
| 1,2-Dibromoethane              | 106-93-4        | 187.9            | 0.07                   | U | 0.54                        |              |            |
| Tetrachloroethene              | 127-18-4        | 165.8            | 0.9                    |   | 6.1                         |              |            |
| Chlorobenzene                  | 108-90-7        | 112.6            | 0.09                   | U | 0.41                        |              |            |
| Ethyl Benzene                  | 100-41-4        | 106.2            | 2.4                    |   | 10.51                       |              |            |

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| <b>Sample ID</b>          | <b>SG-1</b>       |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-05</b>   |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>1</b>                |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 7.8                           |          | 33.84                              |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 1.7                           |          | 7.3                                |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.9                           |          | 3.83                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.05                          | U        | 0.52                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 0.1                           | U        | 0.69                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 0.1                           | U        | 0.52                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.1                           |          | 0.59                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 0.5                           |          | 2.21                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.4                           |          | 1.97                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.08                          | U        | 0.48                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.06                          | U        | 0.36                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.07                          | U        | 0.42                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.04                          | U        | 0.3                                |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.08                          | U        | 0.85                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.09                          | U        | 0.2                                |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 15.9                          | E        | 56.07                              |                     |                   |

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| <b>Sample ID</b>               | <b>SG-1DL</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-------------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-05DL</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b>   |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>        |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>10</b>         |                  |                        |   |                             |              |            |
|                                |                   |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number        | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8           | 120.9            | 0.4                    | U | 1.98                        |              |            |
| tert-butyl alcohol             | 75-65-0           | 74.12            | 2.4                    | D | 7.28                        |              |            |
| Chloromethane                  | 74-87-3           | 50.49            | 0.6                    | U | 1.24                        |              |            |
| Methyl Methacrylate            | 80-62-6           | 100.117          | 1                      | U | 4.09                        |              |            |
| Vinyl Chloride                 | 75-01-4           | 62.5             | 0.7                    | U | 1.79                        |              |            |
| Bromomethane                   | 74-83-9           | 94.94            | 0.3                    | U | 1.16                        |              |            |
| Chloroethane                   | 75-00-3           | 64.52            | 0.7                    | U | 1.85                        |              |            |
| Trichlorofluoromethane         | 75-69-4           | 137.4            | 0.4                    | U | 2.25                        |              |            |
| Dichlorotetrafluoroethane      | 76-14-2           | 170.9            | 0.4                    | U | 2.8                         |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1           | 187.4            | 0.4                    | U | 3.07                        |              |            |
| Bromoethene                    | 593-60-2          | 106.9            | 0.3                    | U | 1.31                        |              |            |
| Heptane                        | 142-82-5          | 100.2            | 7.3                    | D | 29.92                       |              |            |
| 1,1-Dichloroethene             | 75-35-4           | 96.94            | 0.5                    | U | 1.98                        |              |            |
| Acetone                        | 67-64-1           | 58.08            | 116                    | D | 275.32                      |              |            |
| Carbon Disulfide               | 75-15-0           | 76.14            | 5.9                    | D | 18.37                       |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4         | 88.15            | 0.5                    | U | 1.8                         |              |            |
| Methylene Chloride             | 75-09-2           | 84.94            | 2.4                    | D | 8.34                        |              |            |
| Allyl Chloride                 | 107-05-1          | 76.53            | 0.5                    | U | 1.57                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5          | 96.94            | 0.6                    | U | 2.38                        |              |            |
| 1,1-Dichloroethane             | 75-34-3           | 98.96            | 0.4                    | U | 1.62                        |              |            |
| Cyclohexane                    | 110-82-7          | 84.16            | 1.9                    | D | 6.54                        |              |            |
| 2-Butanone                     | 78-93-3           | 72.11            | 7.6                    | D | 22.41                       |              |            |
| Carbon Tetrachloride           | 56-23-5           | 153.8            | 0.4                    | U | 2.52                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2          | 96.94            | 0.6                    | U | 2.38                        |              |            |
| Chloroform                     | 67-66-3           | 119.4            | 0.2                    | U | 0.98                        |              |            |
| 1,4-Dioxane                    | 123-91-1          | 88.12            | 0.9                    | U | 3.24                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6           | 133.4            | 0.4                    | U | 2.18                        |              |            |
| Tetrahydrofuran                | 109-99-9          | 72.11            | 8.9                    | D | 26.25                       |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1          | 114.2            | 3.2                    | D | 14.95                       |              |            |
| Benzene                        | 71-43-2           | 78.11            | 11.4                   | D | 36.42                       |              |            |
| 1,2-Dichloroethane             | 107-06-2          | 98.96            | 0.7                    | U | 2.83                        |              |            |
| Trichloroethene                | 79-01-6           | 131.4            | 0.4                    | U | 2.15                        |              |            |
| 1,2-Dichloropropane            | 78-87-5           | 113              | 0.6                    | U | 2.77                        |              |            |
| Bromodichloromethane           | 75-27-4           | 163.8            | 0.5                    | U | 3.35                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1          | 100.2            | 0.6                    | U | 2.46                        |              |            |
| Toluene                        | 108-88-3          | 92.14            | 40.4                   | D | 152.25                      |              |            |
| t-1,3-Dichloropropene          | 10061-02-6        | 111              | 0.7                    | U | 3.18                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5        | 111              | 0.6                    | U | 2.72                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5           | 133.4            | 0.8                    | U | 4.36                        |              |            |
| Dibromochloromethane           | 124-48-1          | 208.3            | 0.5                    | U | 4.26                        |              |            |
| 1,2-Dibromoethane              | 106-93-4          | 187.9            | 0.7                    | U | 5.38                        |              |            |
| Tetrachloroethene              | 127-18-4          | 165.8            | 0.6                    | D | 4.07                        |              |            |
| Chlorobenzene                  | 108-90-7          | 112.6            | 0.9                    | U | 4.14                        |              |            |
| Ethyl Benzene                  | 100-41-4          | 106.2            | 2                      | D | 8.69                        |              |            |

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| <b>Sample ID</b>          | <b>SG-1DL</b>     |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-05DL</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>10</b>               |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 6.5                           | D        | 28.23                              |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 1.3                           | D        | 5.65                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.7                           | U        | 2.98                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.5                           | U        | 5.17                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 1                             | U        | 6.87                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 1                             | U        | 5.18                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.9                           | U        | 4.42                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 1                             | U        | 4.92                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.8                           | U        | 3.93                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.8                           | U        | 4.81                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.6                           | U        | 3.61                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.7                           | U        | 4.21                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.4                           | U        | 2.97                               |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.8                           | U        | 8.53                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.9                           | U        | 1.99                               |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 15.4                          | D        | 54.27                              |                     |                   |

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| <b>Sample ID</b>               | <b>SS-1</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-----------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-06</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b> |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>      |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>1</b>        |                  |                        |   |                             |              |            |
|                                |                 |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number      | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8         | 120.9            | 0.6                    |   | 2.77                        |              |            |
| tert-butyl alcohol             | 75-65-0         | 74.12            | 0.1                    | U | 0.3                         |              |            |
| Chloromethane                  | 74-87-3         | 50.49            | 0.4                    |   | 0.74                        |              |            |
| Methyl Methacrylate            | 80-62-6         | 100.117          | 0.1                    | U | 0.41                        |              |            |
| Vinyl Chloride                 | 75-01-4         | 62.5             | 0.07                   | U | 0.18                        |              |            |
| Bromomethane                   | 74-83-9         | 94.94            | 0.03                   | U | 0.12                        |              |            |
| Chloroethane                   | 75-00-3         | 64.52            | 0.07                   | U | 0.18                        |              |            |
| Trichlorofluoromethane         | 75-69-4         | 137.4            | 29.5                   | E | 165.72                      |              |            |
| Dichlorotetrafluoroethane      | 76-14-2         | 170.9            | 0.04                   | U | 0.28                        |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1         | 187.4            | 0.1                    | J | 0.77                        |              |            |
| Bromoethene                    | 593-60-2        | 106.9            | 0.03                   | U | 0.13                        |              |            |
| Heptane                        | 142-82-5        | 100.2            | 1.4                    |   | 5.74                        |              |            |
| 1,1-Dichloroethene             | 75-35-4         | 96.94            | 0.05                   | U | 0.2                         |              |            |
| Acetone                        | 67-64-1         | 58.08            | 38.5                   | E | 91.34                       |              |            |
| Carbon Disulfide               | 75-15-0         | 76.14            | 0.05                   | U | 0.16                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4       | 88.15            | 0.05                   | U | 0.18                        |              |            |
| Methylene Chloride             | 75-09-2         | 84.94            | 4.8                    |   | 16.74                       |              |            |
| Allyl Chloride                 | 107-05-1        | 76.53            | 0.05                   | U | 0.16                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5        | 96.94            | 1.8                    |   | 6.94                        |              |            |
| 1,1-Dichloroethane             | 75-34-3         | 98.96            | 0.04                   | U | 0.16                        |              |            |
| Cyclohexane                    | 110-82-7        | 84.16            | 0.1                    |   | 0.48                        |              |            |
| 2-Butanone                     | 78-93-3         | 72.11            | 20.5                   | E | 60.46                       |              |            |
| Carbon Tetrachloride           | 56-23-5         | 153.8            | 0.07                   |   | 0.44                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2        | 96.94            | 0.06                   | U | 0.24                        |              |            |
| Chloroform                     | 67-66-3         | 119.4            | 0.02                   | U | 0.1                         |              |            |
| 1,4-Dioxane                    | 123-91-1        | 88.12            | 0.09                   | U | 0.32                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6         | 133.4            | 0.2                    |   | 0.87                        |              |            |
| Tetrahydrofuran                | 109-99-9        | 72.11            | 0.08                   | U | 0.24                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1        | 114.2            | 0.1                    | J | 0.37                        |              |            |
| Benzene                        | 71-43-2         | 78.11            | 0.3                    |   | 1.02                        |              |            |
| 1,2-Dichloroethane             | 107-06-2        | 98.96            | 0.07                   | U | 0.28                        |              |            |
| Trichloroethene                | 79-01-6         | 131.4            | 0.08                   |   | 0.43                        |              |            |
| 1,2-Dichloropropane            | 78-87-5         | 113              | 0.06                   | U | 0.28                        |              |            |
| Bromodichloromethane           | 75-27-4         | 163.8            | 0.05                   | U | 0.33                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1        | 100.2            | 1.4                    |   | 5.82                        |              |            |
| Toluene                        | 108-88-3        | 92.14            | 6.3                    |   | 23.63                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6      | 111              | 0.07                   | U | 0.32                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5      | 111              | 0.06                   | U | 0.27                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5         | 133.4            | 0.08                   | U | 0.44                        |              |            |
| Dibromochloromethane           | 124-48-1        | 208.3            | 0.05                   | U | 0.43                        |              |            |
| 1,2-Dibromoethane              | 106-93-4        | 187.9            | 0.07                   | U | 0.54                        |              |            |
| Tetrachloroethene              | 127-18-4        | 165.8            | 7.02                   |   | 47.6                        |              |            |
| Chlorobenzene                  | 108-90-7        | 112.6            | 0.09                   | U | 0.41                        |              |            |
| Ethyl Benzene                  | 100-41-4        | 106.2            | 0.6                    |   | 2.48                        |              |            |

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| <b>Sample ID</b>          | <b>SS-1</b>       |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-06</b>   |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>1</b>                |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 1.9                           |          | 8.3                                |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.4                           |          | 1.65                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.7                           |          | 2.77                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.05                          | U        | 0.52                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 0.1                           | U        | 0.69                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 0.1                           | U        | 0.52                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.09                          | U        | 0.44                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 0.3                           |          | 1.28                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.08                          | U        | 0.39                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.08                          | U        | 0.48                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.06                          | U        | 0.36                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.07                          | U        | 0.42                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.04                          | U        | 0.3                                |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.08                          | U        | 0.85                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.09                          | U        | 0.2                                |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 1.5                           |          | 5.22                               |                     |                   |

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| <b>Sample ID</b>               | <b>SS-1DL</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-------------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-06DL</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b>   |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>        |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>10</b>         |                  |                        |   |                             |              |            |
|                                |                   |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number        | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8           | 120.9            | 0.4                    | U | 1.98                        |              |            |
| tert-butyl alcohol             | 75-65-0           | 74.12            | 1                      | U | 3.03                        |              |            |
| Chloromethane                  | 74-87-3           | 50.49            | 0.6                    | U | 1.24                        |              |            |
| Methyl Methacrylate            | 80-62-6           | 100.117          | 1                      | U | 4.09                        |              |            |
| Vinyl Chloride                 | 75-01-4           | 62.5             | 0.7                    | U | 1.79                        |              |            |
| Bromomethane                   | 74-83-9           | 94.94            | 0.3                    | U | 1.16                        |              |            |
| Chloroethane                   | 75-00-3           | 64.52            | 0.7                    | U | 1.85                        |              |            |
| Trichlorofluoromethane         | 75-69-4           | 137.4            | 15.2                   | D | 85.42                       |              |            |
| Dichlorotetrafluoroethane      | 76-14-2           | 170.9            | 0.4                    | U | 2.8                         |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1           | 187.4            | 0.4                    | U | 3.07                        |              |            |
| Bromoethene                    | 593-60-2          | 106.9            | 0.3                    | U | 1.31                        |              |            |
| Heptane                        | 142-82-5          | 100.2            | 0.6                    | U | 2.46                        |              |            |
| 1,1-Dichloroethene             | 75-35-4           | 96.94            | 0.5                    | U | 1.98                        |              |            |
| Acetone                        | 67-64-1           | 58.08            | 42.8                   | D | 101.67                      |              |            |
| Carbon Disulfide               | 75-15-0           | 76.14            | 0.5                    | U | 1.56                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4         | 88.15            | 0.5                    | U | 1.8                         |              |            |
| Methylene Chloride             | 75-09-2           | 84.94            | 4.4                    | D | 15.29                       |              |            |
| Allyl Chloride                 | 107-05-1          | 76.53            | 0.5                    | U | 1.57                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5          | 96.94            | 1.1                    | D | 4.36                        |              |            |
| 1,1-Dichloroethane             | 75-34-3           | 98.96            | 0.4                    | U | 1.62                        |              |            |
| Cyclohexane                    | 110-82-7          | 84.16            | 0.8                    | U | 2.75                        |              |            |
| 2-Butanone                     | 78-93-3           | 72.11            | 18                     | D | 53.09                       |              |            |
| Carbon Tetrachloride           | 56-23-5           | 153.8            | 0.4                    | U | 2.52                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2          | 96.94            | 0.6                    | U | 2.38                        |              |            |
| Chloroform                     | 67-66-3           | 119.4            | 0.2                    | U | 0.98                        |              |            |
| 1,4-Dioxane                    | 123-91-1          | 88.12            | 0.9                    | U | 3.24                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6           | 133.4            | 0.4                    | U | 2.18                        |              |            |
| Tetrahydrofuran                | 109-99-9          | 72.11            | 0.8                    | U | 2.36                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1          | 114.2            | 0.4                    | U | 1.87                        |              |            |
| Benzene                        | 71-43-2           | 78.11            | 0.4                    | U | 1.28                        |              |            |
| 1,2-Dichloroethane             | 107-06-2          | 98.96            | 0.7                    | U | 2.83                        |              |            |
| Trichloroethene                | 79-01-6           | 131.4            | 0.4                    | U | 2.15                        |              |            |
| 1,2-Dichloropropane            | 78-87-5           | 113              | 0.6                    | U | 2.77                        |              |            |
| Bromodichloromethane           | 75-27-4           | 163.8            | 0.5                    | U | 3.35                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1          | 100.2            | 1.2                    | D | 4.92                        |              |            |
| Toluene                        | 108-88-3          | 92.14            | 5.5                    | D | 20.73                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6        | 111              | 0.7                    | U | 3.18                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5        | 111              | 0.6                    | U | 2.72                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5           | 133.4            | 0.8                    | U | 4.36                        |              |            |
| Dibromochloromethane           | 124-48-1          | 208.3            | 0.5                    | U | 4.26                        |              |            |
| 1,2-Dibromoethane              | 106-93-4          | 187.9            | 0.7                    | U | 5.38                        |              |            |
| Tetrachloroethene              | 127-18-4          | 165.8            | 5                      | D | 33.91                       |              |            |
| Chlorobenzene                  | 108-90-7          | 112.6            | 0.9                    | U | 4.14                        |              |            |
| Ethyl Benzene                  | 100-41-4          | 106.2            | 0.8                    | U | 3.47                        |              |            |

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| <b>Sample ID</b>          | <b>SS-1DL</b>     |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-06DL</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>10</b>               |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 1.3                           | JD       | 5.65                               |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.7                           | U        | 3.04                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.7                           | U        | 2.98                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.5                           | U        | 5.17                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 1                             | U        | 6.87                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 1                             | U        | 5.18                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.9                           | U        | 4.42                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 1                             | U        | 4.92                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.8                           | U        | 3.93                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.8                           | U        | 4.81                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.6                           | U        | 3.61                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.7                           | U        | 4.21                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.4                           | U        | 2.97                               |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.8                           | U        | 8.53                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.9                           | U        | 1.99                               |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 1.3                           | D        | 4.58                               |                     |                   |

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| <b>Sample ID</b>               | <b>SG-3</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-----------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-07</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b> |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>      |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>1</b>        |                  |                        |   |                             |              |            |
|                                |                 |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number      | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8         | 120.9            | 0.5                    |   | 2.27                        |              |            |
| tert-butyl alcohol             | 75-65-0         | 74.12            | 3.5                    |   | 10.61                       |              |            |
| Chloromethane                  | 74-87-3         | 50.49            | 0.06                   | U | 0.12                        |              |            |
| Methyl Methacrylate            | 80-62-6         | 100.117          | 0.1                    | U | 0.41                        |              |            |
| Vinyl Chloride                 | 75-01-4         | 62.5             | 0.07                   | U | 0.18                        |              |            |
| Bromomethane                   | 74-83-9         | 94.94            | 0.03                   | U | 0.12                        |              |            |
| Chloroethane                   | 75-00-3         | 64.52            | 0.07                   | U | 0.18                        |              |            |
| Trichlorofluoromethane         | 75-69-4         | 137.4            | 0.3                    |   | 1.8                         |              |            |
| Dichlorotetrafluoroethane      | 76-14-2         | 170.9            | 0.04                   | U | 0.28                        |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1         | 187.4            | 0.2                    |   | 1.15                        |              |            |
| Bromoethene                    | 593-60-2        | 106.9            | 0.03                   | U | 0.13                        |              |            |
| Heptane                        | 142-82-5        | 100.2            | 1                      |   | 4.22                        |              |            |
| 1,1-Dichloroethene             | 75-35-4         | 96.94            | 0.05                   | U | 0.2                         |              |            |
| Acetone                        | 67-64-1         | 58.08            | 44.5                   | E | 105.76                      |              |            |
| Carbon Disulfide               | 75-15-0         | 76.14            | 0.05                   | U | 0.16                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4       | 88.15            | 0.05                   | U | 0.18                        |              |            |
| Methylene Chloride             | 75-09-2         | 84.94            | 0.5                    |   | 1.56                        |              |            |
| Allyl Chloride                 | 107-05-1        | 76.53            | 0.05                   | U | 0.16                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5        | 96.94            | 0.06                   | U | 0.24                        |              |            |
| 1,1-Dichloroethane             | 75-34-3         | 98.96            | 0.04                   | U | 0.16                        |              |            |
| Cyclohexane                    | 110-82-7        | 84.16            | 0.1                    |   | 0.38                        |              |            |
| 2-Butanone                     | 78-93-3         | 72.11            | 1.3                    |   | 3.95                        |              |            |
| Carbon Tetrachloride           | 56-23-5         | 153.8            | 0.05                   |   | 0.31                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2        | 96.94            | 0.06                   | U | 0.24                        |              |            |
| Chloroform                     | 67-66-3         | 119.4            | 1.2                    |   | 6.06                        |              |            |
| 1,4-Dioxane                    | 123-91-1        | 88.12            | 0.09                   | U | 0.32                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6         | 133.4            | 0.3                    |   | 1.75                        |              |            |
| Tetrahydrofuran                | 109-99-9        | 72.11            | 0.08                   | U | 0.24                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1        | 114.2            | 0.04                   | U | 0.19                        |              |            |
| Benzene                        | 71-43-2         | 78.11            | 1.4                    |   | 4.47                        |              |            |
| 1,2-Dichloroethane             | 107-06-2        | 98.96            | 0.07                   | U | 0.28                        |              |            |
| Trichloroethene                | 79-01-6         | 131.4            | 0.22                   |   | 1.18                        |              |            |
| 1,2-Dichloropropane            | 78-87-5         | 113              | 0.06                   | U | 0.28                        |              |            |
| Bromodichloromethane           | 75-27-4         | 163.8            | 0.05                   | U | 0.33                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1        | 100.2            | 0.06                   | U | 0.25                        |              |            |
| Toluene                        | 108-88-3        | 92.14            | 11.5                   |   | 43.3                        |              |            |
| t-1,3-Dichloropropene          | 10061-02-6      | 111              | 0.07                   | U | 0.32                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5      | 111              | 0.06                   | U | 0.27                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5         | 133.4            | 0.08                   | U | 0.44                        |              |            |
| Dibromochloromethane           | 124-48-1        | 208.3            | 0.05                   | U | 0.43                        |              |            |
| 1,2-Dibromoethane              | 106-93-4        | 187.9            | 0.07                   | U | 0.54                        |              |            |
| Tetrachloroethene              | 127-18-4        | 165.8            | 1.48                   |   | 10.04                       |              |            |
| Chlorobenzene                  | 108-90-7        | 112.6            | 0.09                   | U | 0.41                        |              |            |
| Ethyl Benzene                  | 100-41-4        | 106.2            | 0.7                    |   | 3.13                        |              |            |

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| <b>Sample ID</b>          | <b>SG-3</b>       |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-07</b>   |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>1</b>                |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 2.8                           |          | 12.03                              |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.3                           |          | 1.13                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.2                           |          | 0.68                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.05                          | U        | 0.52                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 0.1                           | U        | 0.69                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 0.1                           | U        | 0.52                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.09                          | U        | 0.44                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 0.1                           |          | 0.64                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.2                           |          | 0.93                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.08                          | U        | 0.48                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.06                          | U        | 0.36                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.07                          | U        | 0.42                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.04                          | U        | 0.3                                |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.08                          | U        | 0.85                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.09                          | U        | 0.2                                |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 0.04                          | U        | 0.14                               |                     |                   |

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| <b>Sample ID</b>               | <b>SG-3DL</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-------------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-07DL</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b>   |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>        |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>10</b>         |                  |                        |   |                             |              |            |
|                                |                   |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number        | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8           | 120.9            | 0.4                    | U | 1.98                        |              |            |
| tert-butyl alcohol             | 75-65-0           | 74.12            | 1.8                    | D | 5.46                        |              |            |
| Chloromethane                  | 74-87-3           | 50.49            | 0.6                    | U | 1.24                        |              |            |
| Methyl Methacrylate            | 80-62-6           | 100.117          | 1                      | U | 4.09                        |              |            |
| Vinyl Chloride                 | 75-01-4           | 62.5             | 0.7                    | U | 1.79                        |              |            |
| Bromomethane                   | 74-83-9           | 94.94            | 0.3                    | U | 1.16                        |              |            |
| Chloroethane                   | 75-00-3           | 64.52            | 0.7                    | U | 1.85                        |              |            |
| Trichlorofluoromethane         | 75-69-4           | 137.4            | 0.4                    | U | 2.25                        |              |            |
| Dichlorotetrafluoroethane      | 76-14-2           | 170.9            | 0.4                    | U | 2.8                         |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1           | 187.4            | 0.4                    | U | 3.07                        |              |            |
| Bromoethene                    | 593-60-2          | 106.9            | 0.3                    | U | 1.31                        |              |            |
| Heptane                        | 142-82-5          | 100.2            | 1.1                    | D | 4.51                        |              |            |
| 1,1-Dichloroethene             | 75-35-4           | 96.94            | 0.5                    | U | 1.98                        |              |            |
| Acetone                        | 67-64-1           | 58.08            | 40.2                   | D | 95.49                       |              |            |
| Carbon Disulfide               | 75-15-0           | 76.14            | 0.5                    | U | 1.56                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4         | 88.15            | 0.5                    | U | 1.8                         |              |            |
| Methylene Chloride             | 75-09-2           | 84.94            | 0.5                    | U | 1.74                        |              |            |
| Allyl Chloride                 | 107-05-1          | 76.53            | 0.5                    | U | 1.57                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5          | 96.94            | 0.6                    | U | 2.38                        |              |            |
| 1,1-Dichloroethane             | 75-34-3           | 98.96            | 0.4                    | U | 1.62                        |              |            |
| Cyclohexane                    | 110-82-7          | 84.16            | 0.8                    | U | 2.75                        |              |            |
| 2-Butanone                     | 78-93-3           | 72.11            | 1.1                    | D | 3.24                        |              |            |
| Carbon Tetrachloride           | 56-23-5           | 153.8            | 0.4                    | U | 2.52                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2          | 96.94            | 0.6                    | U | 2.38                        |              |            |
| Chloroform                     | 67-66-3           | 119.4            | 1.1                    | D | 5.37                        |              |            |
| 1,4-Dioxane                    | 123-91-1          | 88.12            | 0.9                    | U | 3.24                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6           | 133.4            | 0.4                    | U | 2.18                        |              |            |
| Tetrahydrofuran                | 109-99-9          | 72.11            | 0.8                    | U | 2.36                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1          | 114.2            | 0.4                    | U | 1.87                        |              |            |
| Benzene                        | 71-43-2           | 78.11            | 1.2                    | D | 3.83                        |              |            |
| 1,2-Dichloroethane             | 107-06-2          | 98.96            | 0.7                    | U | 2.83                        |              |            |
| Trichloroethene                | 79-01-6           | 131.4            | 0.4                    | U | 2.15                        |              |            |
| 1,2-Dichloropropane            | 78-87-5           | 113              | 0.6                    | U | 2.77                        |              |            |
| Bromodichloromethane           | 75-27-4           | 163.8            | 0.5                    | U | 3.35                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1          | 100.2            | 0.6                    | U | 2.46                        |              |            |
| Toluene                        | 108-88-3          | 92.14            | 10.6                   | D | 39.95                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6        | 111              | 0.7                    | U | 3.18                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5        | 111              | 0.6                    | U | 2.72                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5           | 133.4            | 0.8                    | U | 4.36                        |              |            |
| Dibromochloromethane           | 124-48-1          | 208.3            | 0.5                    | U | 4.26                        |              |            |
| 1,2-Dibromoethane              | 106-93-4          | 187.9            | 0.7                    | U | 5.38                        |              |            |
| Tetrachloroethene              | 127-18-4          | 165.8            | 1.3                    | D | 8.82                        |              |            |
| Chlorobenzene                  | 108-90-7          | 112.6            | 0.9                    | U | 4.14                        |              |            |
| Ethyl Benzene                  | 100-41-4          | 106.2            | 0.8                    | U | 3.47                        |              |            |

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| <b>Sample ID</b>          | <b>SG-3DL</b>     |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-07DL</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>10</b>               |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 2                             | JD       | 8.69                               |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.7                           | U        | 3.04                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.7                           | U        | 2.98                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.5                           | U        | 5.17                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 1                             | U        | 6.87                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 1                             | U        | 5.18                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.9                           | U        | 4.42                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 1                             | U        | 4.92                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.8                           | U        | 3.93                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.8                           | U        | 4.81                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.6                           | U        | 3.61                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.7                           | U        | 4.21                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.4                           | U        | 2.97                               |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.8                           | U        | 8.53                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.9                           | U        | 1.99                               |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 0.4                           | U        | 1.41                               |                     |                   |

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| <b>Sample ID</b>               | <b>SG-4</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-----------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-08</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b> |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>      |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>1</b>        |                  |                        |   |                             |              |            |
|                                |                 |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number      | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8         | 120.9            | 0.5                    |   | 2.27                        |              |            |
| tert-butyl alcohol             | 75-65-0         | 74.12            | 3.6                    |   | 10.97                       |              |            |
| Chloromethane                  | 74-87-3         | 50.49            | 0.1                    | J | 0.21                        |              |            |
| Methyl Methacrylate            | 80-62-6         | 100.117          | 0.1                    | U | 0.41                        |              |            |
| Vinyl Chloride                 | 75-01-4         | 62.5             | 0.07                   | U | 0.18                        |              |            |
| Bromomethane                   | 74-83-9         | 94.94            | 0.03                   | U | 0.12                        |              |            |
| Chloroethane                   | 75-00-3         | 64.52            | 0.07                   | U | 0.18                        |              |            |
| Trichlorofluoromethane         | 75-69-4         | 137.4            | 0.6                    |   | 3.15                        |              |            |
| Dichlorotetrafluoroethane      | 76-14-2         | 170.9            | 0.04                   | U | 0.28                        |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1         | 187.4            | 5.9                    |   | 45.37                       |              |            |
| Bromoethene                    | 593-60-2        | 106.9            | 0.03                   | U | 0.13                        |              |            |
| Heptane                        | 142-82-5        | 100.2            | 0.9                    |   | 3.81                        |              |            |
| 1,1-Dichloroethene             | 75-35-4         | 96.94            | 0.05                   | U | 0.2                         |              |            |
| Acetone                        | 67-64-1         | 58.08            | 36.7                   | E | 87.18                       |              |            |
| Carbon Disulfide               | 75-15-0         | 76.14            | 0.3                    |   | 1.03                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4       | 88.15            | 0.05                   | U | 0.18                        |              |            |
| Methylene Chloride             | 75-09-2         | 84.94            | 0.8                    |   | 2.61                        |              |            |
| Allyl Chloride                 | 107-05-1        | 76.53            | 0.05                   | U | 0.16                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5        | 96.94            | 0.6                    |   | 2.22                        |              |            |
| 1,1-Dichloroethane             | 75-34-3         | 98.96            | 1                      |   | 3.85                        |              |            |
| Cyclohexane                    | 110-82-7        | 84.16            | 0.2                    |   | 0.79                        |              |            |
| 2-Butanone                     | 78-93-3         | 72.11            | 1.4                    |   | 4.04                        |              |            |
| Carbon Tetrachloride           | 56-23-5         | 153.8            | 0.04                   | U | 0.25                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2        | 96.94            | 6                      |   | 23.91                       |              |            |
| Chloroform                     | 67-66-3         | 119.4            | 0.4                    |   | 1.95                        |              |            |
| 1,4-Dioxane                    | 123-91-1        | 88.12            | 0.09                   | U | 0.32                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6         | 133.4            | 62.6                   | E | 341.33                      |              |            |
| Tetrahydrofuran                | 109-99-9        | 72.11            | 0.08                   | U | 0.24                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1        | 114.2            | 0.04                   | U | 0.19                        |              |            |
| Benzene                        | 71-43-2         | 78.11            | 1.5                    |   | 4.89                        |              |            |
| 1,2-Dichloroethane             | 107-06-2        | 98.96            | 0.07                   | U | 0.28                        |              |            |
| Trichloroethene                | 79-01-6         | 131.4            | 42.9                   | E | 230.34                      |              |            |
| 1,2-Dichloropropane            | 78-87-5         | 113              | 0.06                   | U | 0.28                        |              |            |
| Bromodichloromethane           | 75-27-4         | 163.8            | 0.05                   | U | 0.33                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1        | 100.2            | 0.06                   | U | 0.25                        |              |            |
| Toluene                        | 108-88-3        | 92.14            | 9.6                    |   | 36.33                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6      | 111              | 0.07                   | U | 0.32                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5      | 111              | 0.06                   | U | 0.27                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5         | 133.4            | 0.08                   | U | 0.44                        |              |            |
| Dibromochloromethane           | 124-48-1        | 208.3            | 0.05                   | U | 0.43                        |              |            |
| 1,2-Dibromoethane              | 106-93-4        | 187.9            | 0.07                   | U | 0.54                        |              |            |
| Tetrachloroethene              | 127-18-4        | 165.8            | 204                    | E | 1383.84                     |              |            |
| Chlorobenzene                  | 108-90-7        | 112.6            | 0.09                   | U | 0.41                        |              |            |
| Ethyl Benzene                  | 100-41-4        | 106.2            | 1.1                    |   | 4.91                        |              |            |

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| <b>Sample ID</b>          | <b>SG-4</b>       |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-08</b>   |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>1</b>                |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 3.8                           |          | 16.51                              |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.5                           |          | 2.22                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.3                           |          | 1.32                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.05                          | U        | 0.52                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 0.1                           | U        | 0.69                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 0.1                           | U        | 0.52                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.09                          | U        | 0.44                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 0.3                           |          | 1.47                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.3                           |          | 1.52                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.08                          | U        | 0.48                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.06                          | U        | 0.36                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.07                          | U        | 0.42                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.04                          | U        | 0.3                                |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.08                          | U        | 0.85                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.09                          | U        | 0.2                                |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 0.04                          | U        | 0.14                               |                     |                   |

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Analysis Date: \_\_\_/\_\_\_/\_\_\_

| <b>Sample ID</b>               | <b>SG-4DL</b>     |                  |                        |    |                             |              |            |
|--------------------------------|-------------------|------------------|------------------------|----|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-08DL</b> |                  |                        |    |                             |              |            |
| <b>Sampling Date</b>           |                   | <b>4/1/2010</b>  |                        |    |                             |              |            |
| <b>Matrix</b>                  |                   | <b>AIR</b>       |                        |    |                             |              |            |
| <b>Dilution Factor</b>         |                   | <b>10</b>        |                        |    |                             |              |            |
|                                |                   |                  |                        |    |                             |              |            |
| Chemical                       | CAS Number        | Molecular Weight | Insert Results in ppbv | Q  | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8           | 120.9            | 0.4                    | U  | 1.98                        |              |            |
| tert-butyl alcohol             | 75-65-0           | 74.12            | 1.5                    | D  | 4.55                        |              |            |
| Chloromethane                  | 74-87-3           | 50.49            | 0.6                    | U  | 1.24                        |              |            |
| Methyl Methacrylate            | 80-62-6           | 100.117          | 1                      | U  | 4.09                        |              |            |
| Vinyl Chloride                 | 75-01-4           | 62.5             | 0.7                    | U  | 1.79                        |              |            |
| Bromomethane                   | 74-83-9           | 94.94            | 0.3                    | U  | 1.16                        |              |            |
| Chloroethane                   | 75-00-3           | 64.52            | 0.7                    | U  | 1.85                        |              |            |
| Trichlorofluoromethane         | 75-69-4           | 137.4            | 0.4                    | U  | 2.25                        |              |            |
| Dichlorotetrafluoroethane      | 76-14-2           | 170.9            | 0.4                    | U  | 2.8                         |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1           | 187.4            | 5                      | D  | 38.32                       |              |            |
| Bromoethene                    | 593-60-2          | 106.9            | 0.3                    | U  | 1.31                        |              |            |
| Heptane                        | 142-82-5          | 100.2            | 1                      | JD | 4.1                         |              |            |
| 1,1-Dichloroethene             | 75-35-4           | 96.94            | 0.5                    | U  | 1.98                        |              |            |
| Acetone                        | 67-64-1           | 58.08            | 26.7                   | D  | 63.42                       |              |            |
| Carbon Disulfide               | 75-15-0           | 76.14            | 0.5                    | U  | 1.56                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4         | 88.15            | 0.5                    | U  | 1.8                         |              |            |
| Methylene Chloride             | 75-09-2           | 84.94            | 0.5                    | U  | 1.74                        |              |            |
| Allyl Chloride                 | 107-05-1          | 76.53            | 0.5                    | U  | 1.57                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5          | 96.94            | 0.6                    | U  | 2.38                        |              |            |
| 1,1-Dichloroethane             | 75-34-3           | 98.96            | 0.4                    | U  | 1.62                        |              |            |
| Cyclohexane                    | 110-82-7          | 84.16            | 0.8                    | U  | 2.75                        |              |            |
| 2-Butanone                     | 78-93-3           | 72.11            | 1.3                    | D  | 3.83                        |              |            |
| Carbon Tetrachloride           | 56-23-5           | 153.8            | 0.4                    | U  | 2.52                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2          | 96.94            | 4.5                    | D  | 17.84                       |              |            |
| Chloroform                     | 67-66-3           | 119.4            | 0.2                    | U  | 0.98                        |              |            |
| 1,4-Dioxane                    | 123-91-1          | 88.12            | 0.9                    | U  | 3.24                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6           | 133.4            | 59.9                   | D  | 326.82                      |              |            |
| Tetrahydrofuran                | 109-99-9          | 72.11            | 0.8                    | U  | 2.36                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1          | 114.2            | 0.4                    | U  | 1.87                        |              |            |
| Benzene                        | 71-43-2           | 78.11            | 1.2                    | D  | 3.83                        |              |            |
| 1,2-Dichloroethane             | 107-06-2          | 98.96            | 0.7                    | U  | 2.83                        |              |            |
| Trichloroethene                | 79-01-6           | 131.4            | 44.7                   | D  | 240.23                      |              |            |
| 1,2-Dichloropropane            | 78-87-5           | 113              | 0.6                    | U  | 2.77                        |              |            |
| Bromodichloromethane           | 75-27-4           | 163.8            | 0.5                    | U  | 3.35                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1          | 100.2            | 0.6                    | U  | 2.46                        |              |            |
| Toluene                        | 108-88-3          | 92.14            | 8.6                    | D  | 32.41                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6        | 111              | 0.7                    | U  | 3.18                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5        | 111              | 0.6                    | U  | 2.72                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5           | 133.4            | 0.8                    | U  | 4.36                        |              |            |
| Dibromochloromethane           | 124-48-1          | 208.3            | 0.5                    | U  | 4.26                        |              |            |
| 1,2-Dibromoethane              | 106-93-4          | 187.9            | 0.7                    | U  | 5.38                        |              |            |
| Tetrachloroethene              | 127-18-4          | 165.8            | 613                    | ED | 4156.19                     |              |            |
| Chlorobenzene                  | 108-90-7          | 112.6            | 0.9                    | U  | 4.14                        |              |            |
| Ethyl Benzene                  | 100-41-4          | 106.2            | 0.8                    | U  | 3.47                        |              |            |

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| <b>Sample ID</b>          | <b>SG-4DL</b>     |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-08DL</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>10</b>               |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 2.7                           | D        | 11.73                              |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.7                           | U        | 3.04                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.7                           | U        | 2.98                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.5                           | U        | 5.17                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 1                             | U        | 6.87                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 1                             | U        | 5.18                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.9                           | U        | 4.42                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 1                             | U        | 4.92                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.8                           | U        | 3.93                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.8                           | U        | 4.81                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.6                           | U        | 3.61                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.7                           | U        | 4.21                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.4                           | U        | 2.97                               |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.8                           | U        | 8.53                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.9                           | U        | 1.99                               |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 0.4                           | U        | 1.41                               |                     |                   |

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TARGET ANALYTES -  
AIR RESULTS

Sampling Date: \_\_\_/\_\_\_/\_\_\_  
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| <b>Sample ID</b>               | <b>SG-4DL2</b>     |                  |                        |   |                             |              |            |
|--------------------------------|--------------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-08DL2</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b>    |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>         |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>100</b>         |                  |                        |   |                             |              |            |
|                                |                    |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number         | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8            | 120.9            | 4                      | U | 19.78                       |              |            |
| tert-butyl alcohol             | 75-65-0            | 74.12            | 10                     | U | 30.31                       |              |            |
| Chloromethane                  | 74-87-3            | 50.49            | 6                      | U | 12.39                       |              |            |
| Methyl Methacrylate            | 80-62-6            | 100.117          | 10                     | U | 40.95                       |              |            |
| Vinyl Chloride                 | 75-01-4            | 62.5             | 7                      | U | 17.89                       |              |            |
| Bromomethane                   | 74-83-9            | 94.94            | 3                      | U | 11.65                       |              |            |
| Chloroethane                   | 75-00-3            | 64.52            | 7                      | U | 18.47                       |              |            |
| Trichlorofluoromethane         | 75-69-4            | 137.4            | 4                      | U | 22.48                       |              |            |
| Dichlorotetrafluoroethane      | 76-14-2            | 170.9            | 4                      | U | 27.96                       |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1            | 187.4            | 4                      | U | 30.66                       |              |            |
| Bromoethene                    | 593-60-2           | 106.9            | 3                      | U | 13.12                       |              |            |
| Heptane                        | 142-82-5           | 100.2            | 6                      | U | 24.59                       |              |            |
| 1,1-Dichloroethene             | 75-35-4            | 96.94            | 5                      | U | 19.82                       |              |            |
| Acetone                        | 67-64-1            | 58.08            | 54                     | D | 128.27                      |              |            |
| Carbon Disulfide               | 75-15-0            | 76.14            | 5                      | U | 15.57                       |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4          | 88.15            | 5                      | U | 18.03                       |              |            |
| Methylene Chloride             | 75-09-2            | 84.94            | 5                      | U | 17.37                       |              |            |
| Allyl Chloride                 | 107-05-1           | 76.53            | 5                      | U | 15.65                       |              |            |
| trans-1,2-Dichloroethene       | 156-60-5           | 96.94            | 6                      | U | 23.79                       |              |            |
| 1,1-Dichloroethane             | 75-34-3            | 98.96            | 4                      | U | 16.19                       |              |            |
| Cyclohexane                    | 110-82-7           | 84.16            | 8                      | U | 27.54                       |              |            |
| 2-Butanone                     | 78-93-3            | 72.11            | 10                     | U | 29.49                       |              |            |
| Carbon Tetrachloride           | 56-23-5            | 153.8            | 4                      | U | 25.16                       |              |            |
| cis-1,2-Dichloroethene         | 156-59-2           | 96.94            | 6                      | U | 23.79                       |              |            |
| Chloroform                     | 67-66-3            | 119.4            | 2                      | U | 9.77                        |              |            |
| 1,4-Dioxane                    | 123-91-1           | 88.12            | 9                      | U | 32.44                       |              |            |
| 1,1,1-Trichloroethane          | 71-55-6            | 133.4            | 31                     | D | 169.14                      |              |            |
| Tetrahydrofuran                | 109-99-9           | 72.11            | 8                      | U | 23.59                       |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1           | 114.2            | 4                      | U | 18.68                       |              |            |
| Benzene                        | 71-43-2            | 78.11            | 4                      | U | 12.78                       |              |            |
| 1,2-Dichloroethane             | 107-06-2           | 98.96            | 7                      | U | 28.33                       |              |            |
| Trichloroethene                | 79-01-6            | 131.4            | 32                     | D | 171.98                      |              |            |
| 1,2-Dichloropropane            | 78-87-5            | 113              | 6                      | U | 27.73                       |              |            |
| Bromodichloromethane           | 75-27-4            | 163.8            | 5                      | U | 33.5                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1           | 100.2            | 6                      | U | 24.59                       |              |            |
| Toluene                        | 108-88-3           | 92.14            | 5                      | U | 18.84                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6         | 111              | 7                      | U | 31.78                       |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5         | 111              | 6                      | U | 27.24                       |              |            |
| 1,1,2-Trichloroethane          | 79-00-5            | 133.4            | 8                      | U | 43.65                       |              |            |
| Dibromochloromethane           | 124-48-1           | 208.3            | 5                      | U | 42.6                        |              |            |
| 1,2-Dibromoethane              | 106-93-4           | 187.9            | 7                      | U | 53.8                        |              |            |
| Tetrachloroethene              | 127-18-4           | 165.8            | 432                    | D | 2929.47                     |              |            |
| Chlorobenzene                  | 108-90-7           | 112.6            | 9                      | U | 41.45                       |              |            |
| Ethyl Benzene                  | 100-41-4           | 106.2            | 8                      | U | 34.75                       |              |            |

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| <b>Sample ID</b>          | <b>SG-4DL2</b>     |                         |                               |          |                                    |                     |                   |
|---------------------------|--------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-08DL2</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                    | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                    | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                    | <b>100</b>              |                               |          |                                    |                     |                   |
|                           |                    |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b>  | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23          | 106.2                   | 11                            | U        | 47.78                              |                     |                   |
| o-Xylene                  | 95-47-6            | 106.2                   | 7                             | U        | 30.4                               |                     |                   |
| Styrene                   | 100-42-5           | 104.1                   | 7                             | U        | 29.8                               |                     |                   |
| Bromoform                 | 75-25-2            | 252.8                   | 5                             | U        | 51.7                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5            | 167.9                   | 10                            | U        | 68.67                              |                     |                   |
| 2-Chlorotoluene           | 95-49-8            | 126.6                   | 10                            | U        | 51.78                              |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8           | 120.2                   | 9                             | U        | 44.25                              |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6            | 120.2                   | 10                            | U        | 49.16                              |                     |                   |
| 4-Ethyltoluene            | 622-96-8           | 120.2                   | 8                             | U        | 39.33                              |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1           | 147                     | 8                             | U        | 48.1                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7           | 147                     | 6                             | U        | 36.07                              |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1            | 147                     | 7                             | U        | 42.09                              |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1           | 181.5                   | 4                             | U        | 29.69                              |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3            | 260.8                   | 8                             | U        | 85.33                              |                     |                   |
| 1,3-Butadiene             | 106-99-0           | 54.09                   | 9                             | U        | 19.91                              |                     |                   |
| Hexane                    | 110-54-3           | 86.17                   | 4                             | U        | 14.1                               |                     |                   |

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Analysis Date: \_\_\_/\_\_\_/\_\_\_

| <b>Sample ID</b>               | <b>SG-52</b>    |                  |                        |   |                             |              |            |
|--------------------------------|-----------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-09</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b> |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>      |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>10</b>       |                  |                        |   |                             |              |            |
|                                |                 |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number      | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8         | 120.9            | 0.5                    | J | 2.47                        |              |            |
| tert-butyl alcohol             | 75-65-0         | 74.12            | 1.4                    |   | 4.24                        |              |            |
| Chloromethane                  | 74-87-3         | 50.49            | 2.7                    |   | 5.58                        |              |            |
| Methyl Methacrylate            | 80-62-6         | 100.117          | 1                      | U | 4.09                        |              |            |
| Vinyl Chloride                 | 75-01-4         | 62.5             | 0.7                    | U | 1.79                        |              |            |
| Bromomethane                   | 74-83-9         | 94.94            | 0.4                    | J | 1.55                        |              |            |
| Chloroethane                   | 75-00-3         | 64.52            | 0.7                    | U | 1.85                        |              |            |
| Trichlorofluoromethane         | 75-69-4         | 137.4            | 0.4                    | J | 2.25                        |              |            |
| Dichlorotetrafluoroethane      | 76-14-2         | 170.9            | 0.4                    | U | 2.8                         |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1         | 187.4            | 3.6                    |   | 27.59                       |              |            |
| Bromoethene                    | 593-60-2        | 106.9            | 0.3                    | U | 1.31                        |              |            |
| Heptane                        | 142-82-5        | 100.2            | 0.6                    | U | 2.46                        |              |            |
| 1,1-Dichloroethene             | 75-35-4         | 96.94            | 5.1                    |   | 20.22                       |              |            |
| Acetone                        | 67-64-1         | 58.08            | 24.9                   |   | 59.15                       |              |            |
| Carbon Disulfide               | 75-15-0         | 76.14            | 0.5                    | U | 1.56                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4       | 88.15            | 0.5                    | U | 1.8                         |              |            |
| Methylene Chloride             | 75-09-2         | 84.94            | 7.3                    |   | 25.36                       |              |            |
| Allyl Chloride                 | 107-05-1        | 76.53            | 0.5                    | U | 1.57                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5        | 96.94            | 72.4                   |   | 287.05                      |              |            |
| 1,1-Dichloroethane             | 75-34-3         | 98.96            | 36.1                   |   | 146.11                      |              |            |
| Cyclohexane                    | 110-82-7        | 84.16            | 0.8                    | U | 2.75                        |              |            |
| 2-Butanone                     | 78-93-3         | 72.11            | 3.7                    |   | 10.91                       |              |            |
| Carbon Tetrachloride           | 56-23-5         | 153.8            | 0.4                    | U | 2.52                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2        | 96.94            | 1420                   | E | 5648.69                     |              |            |
| Chloroform                     | 67-66-3         | 119.4            | 0.7                    | J | 3.42                        |              |            |
| 1,4-Dioxane                    | 123-91-1        | 88.12            | 0.9                    | U | 3.24                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6         | 133.4            | 132                    |   | 718.01                      |              |            |
| Tetrahydrofuran                | 109-99-9        | 72.11            | 0.8                    | U | 2.36                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1        | 114.2            | 0.4                    | U | 1.87                        |              |            |
| Benzene                        | 71-43-2         | 78.11            | 1.9                    |   | 6.07                        |              |            |
| 1,2-Dichloroethane             | 107-06-2        | 98.96            | 0.7                    | U | 2.83                        |              |            |
| Trichloroethene                | 79-01-6         | 131.4            | 1220                   | E | 6559.25                     |              |            |
| 1,2-Dichloropropane            | 78-87-5         | 113              | 0.6                    | U | 2.77                        |              |            |
| Bromodichloromethane           | 75-27-4         | 163.8            | 0.5                    | U | 3.35                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1        | 100.2            | 0.6                    | U | 2.46                        |              |            |
| Toluene                        | 108-88-3        | 92.14            | 35.6                   |   | 134.16                      |              |            |
| t-1,3-Dichloropropene          | 10061-02-6      | 111              | 0.7                    | U | 3.18                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5      | 111              | 0.6                    | U | 2.72                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5         | 133.4            | 0.8                    | U | 4.36                        |              |            |
| Dibromochloromethane           | 124-48-1        | 208.3            | 0.5                    | U | 4.26                        |              |            |
| 1,2-Dibromoethane              | 106-93-4        | 187.9            | 0.7                    | U | 5.38                        |              |            |
| Tetrachloroethene              | 127-18-4        | 165.8            | 7860                   | E | 53289.27                    |              |            |
| Chlorobenzene                  | 108-90-7        | 112.6            | 0.9                    | U | 4.14                        |              |            |
| Ethyl Benzene                  | 100-41-4        | 106.2            | 0.8                    | U | 3.47                        |              |            |

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| <b>Sample ID</b>          | <b>SG-52</b>      |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-09</b>   |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>10</b>               |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 2.8                           |          | 12.16                              |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.7                           | U        | 3.04                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.7                           | U        | 2.98                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.5                           | U        | 5.17                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 1                             | U        | 6.87                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 1                             | U        | 5.18                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.9                           | U        | 4.42                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 1                             | U        | 4.92                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.8                           | U        | 3.93                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.8                           | U        | 4.81                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.6                           | U        | 3.61                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.7                           | U        | 4.21                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.4                           | U        | 2.97                               |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.8                           | U        | 8.53                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.9                           | U        | 1.99                               |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 2.7                           |          | 9.52                               |                     |                   |

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| <b>Sample ID</b>               | <b>SG-52DL</b>    |                  |                        |    |                             |              |            |
|--------------------------------|-------------------|------------------|------------------------|----|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-09DL</b> |                  |                        |    |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b>   |                  |                        |    |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>        |                  |                        |    |                             |              |            |
| <b>Dilution Factor</b>         | <b>400</b>        |                  |                        |    |                             |              |            |
|                                |                   |                  |                        |    |                             |              |            |
| Chemical                       | CAS Number        | Molecular Weight | Insert Results in ppbv | Q  | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8           | 120.9            | 16                     | U  | 79.12                       |              |            |
| tert-butyl alcohol             | 75-65-0           | 74.12            | 40                     | U  | 121.26                      |              |            |
| Chloromethane                  | 74-87-3           | 50.49            | 24                     | U  | 49.56                       |              |            |
| Methyl Methacrylate            | 80-62-6           | 100.117          | 40                     | U  | 163.79                      |              |            |
| Vinyl Chloride                 | 75-01-4           | 62.5             | 28                     | U  | 71.57                       |              |            |
| Bromomethane                   | 74-83-9           | 94.94            | 12                     | U  | 46.6                        |              |            |
| Chloroethane                   | 75-00-3           | 64.52            | 28                     | U  | 73.89                       |              |            |
| Trichlorofluoromethane         | 75-69-4           | 137.4            | 16                     | U  | 89.91                       |              |            |
| Dichlorotetrafluoroethane      | 76-14-2           | 170.9            | 16                     | U  | 111.84                      |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1           | 187.4            | 16                     | U  | 122.63                      |              |            |
| Bromoethene                    | 593-60-2          | 106.9            | 12                     | U  | 52.47                       |              |            |
| Heptane                        | 142-82-5          | 100.2            | 24                     | U  | 98.36                       |              |            |
| 1,1-Dichloroethene             | 75-35-4           | 96.94            | 20                     | U  | 79.3                        |              |            |
| Acetone                        | 67-64-1           | 58.08            | 40                     | U  | 95.02                       |              |            |
| Carbon Disulfide               | 75-15-0           | 76.14            | 20                     | U  | 62.28                       |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4         | 88.15            | 20                     | U  | 72.11                       |              |            |
| Methylene Chloride             | 75-09-2           | 84.94            | 20                     | U  | 69.48                       |              |            |
| Allyl Chloride                 | 107-05-1          | 76.53            | 20                     | U  | 62.6                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5          | 96.94            | 72                     | D  | 285.47                      |              |            |
| 1,1-Dichloroethane             | 75-34-3           | 98.96            | 16                     | U  | 64.76                       |              |            |
| Cyclohexane                    | 110-82-7          | 84.16            | 32                     | U  | 110.15                      |              |            |
| 2-Butanone                     | 78-93-3           | 72.11            | 40                     | U  | 117.97                      |              |            |
| Carbon Tetrachloride           | 56-23-5           | 153.8            | 16                     | U  | 100.65                      |              |            |
| cis-1,2-Dichloroethene         | 156-59-2          | 96.94            | 4370                   | D  | 17334.22                    |              |            |
| Chloroform                     | 67-66-3           | 119.4            | 8                      | U  | 39.07                       |              |            |
| 1,4-Dioxane                    | 123-91-1          | 88.12            | 36                     | U  | 129.75                      |              |            |
| 1,1,1-Trichloroethane          | 71-55-6           | 133.4            | 220                    | D  | 1200.33                     |              |            |
| Tetrahydrofuran                | 109-99-9          | 72.11            | 32                     | U  | 94.38                       |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1          | 114.2            | 16                     | U  | 74.73                       |              |            |
| Benzene                        | 71-43-2           | 78.11            | 16                     | U  | 51.11                       |              |            |
| 1,2-Dichloroethane             | 107-06-2          | 98.96            | 28                     | U  | 113.33                      |              |            |
| Trichloroethene                | 79-01-6           | 131.4            | 1730                   | D  | 9286.67                     |              |            |
| 1,2-Dichloropropane            | 78-87-5           | 113              | 24                     | U  | 110.92                      |              |            |
| Bromodichloromethane           | 75-27-4           | 163.8            | 20                     | U  | 133.99                      |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1          | 100.2            | 24                     | U  | 98.36                       |              |            |
| Toluene                        | 108-88-3          | 92.14            | 20                     | U  | 75.37                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6        | 111              | 28                     | U  | 127.12                      |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5        | 111              | 24                     | U  | 108.96                      |              |            |
| 1,1,2-Trichloroethane          | 79-00-5           | 133.4            | 32                     | U  | 174.59                      |              |            |
| Dibromochloromethane           | 124-48-1          | 208.3            | 20                     | U  | 170.39                      |              |            |
| 1,2-Dibromoethane              | 106-93-4          | 187.9            | 28                     | U  | 215.18                      |              |            |
| Tetrachloroethene              | 127-18-4          | 165.8            | 22200                  | ED | 150840.7                    |              |            |
| Chlorobenzene                  | 108-90-7          | 112.6            | 36                     | U  | 165.79                      |              |            |
| Ethyl Benzene                  | 100-41-4          | 106.2            | 32                     | U  | 138.99                      |              |            |

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| <b>Sample ID</b>          | <b>SG-52DL</b>    |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-09DL</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>400</b>              |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 44                            | U        | 191.12                             |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 28                            | U        | 121.62                             |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 28                            | U        | 119.21                             |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 20                            | U        | 206.79                             |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 40                            | U        | 274.68                             |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 40                            | U        | 207.12                             |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 36                            | U        | 176.98                             |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 40                            | U        | 196.65                             |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 32                            | U        | 157.32                             |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 32                            | U        | 192.39                             |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 24                            | U        | 144.29                             |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 28                            | U        | 168.34                             |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 16                            | U        | 118.77                             |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 32                            | U        | 341.33                             |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 36                            | U        | 79.64                              |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 16                            | U        | 56.39                              |                     |                   |

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| <b>Sample ID</b>               | <b>SG-52DL2</b>    |                  |                        |   |                             |              |            |
|--------------------------------|--------------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-09DL2</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b>    |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>         |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>4000</b>        |                  |                        |   |                             |              |            |
|                                |                    |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number         | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8            | 120.9            | 160                    | U | 791.17                      |              |            |
| tert-butyl alcohol             | 75-65-0            | 74.12            | 400                    | U | 1212.6                      |              |            |
| Chloromethane                  | 74-87-3            | 50.49            | 240                    | U | 495.61                      |              |            |
| Methyl Methacrylate            | 80-62-6            | 100.117          | 400                    | U | 1637.91                     |              |            |
| Vinyl Chloride                 | 75-01-4            | 62.5             | 280                    | U | 715.75                      |              |            |
| Bromomethane                   | 74-83-9            | 94.94            | 120                    | U | 465.96                      |              |            |
| Chloroethane                   | 75-00-3            | 64.52            | 280                    | U | 738.88                      |              |            |
| Trichlorofluoromethane         | 75-69-4            | 137.4            | 160                    | U | 899.14                      |              |            |
| Dichlorotetrafluoroethane      | 76-14-2            | 170.9            | 160                    | U | 1118.36                     |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1            | 187.4            | 160                    | U | 1226.34                     |              |            |
| Bromoethene                    | 593-60-2           | 106.9            | 120                    | U | 524.66                      |              |            |
| Heptane                        | 142-82-5           | 100.2            | 240                    | U | 983.56                      |              |            |
| 1,1-Dichloroethene             | 75-35-4            | 96.94            | 200                    | U | 792.97                      |              |            |
| Acetone                        | 67-64-1            | 58.08            | 400                    | U | 950.18                      |              |            |
| Carbon Disulfide               | 75-15-0            | 76.14            | 200                    | U | 622.82                      |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4          | 88.15            | 200                    | U | 721.06                      |              |            |
| Methylene Chloride             | 75-09-2            | 84.94            | 200                    | U | 694.81                      |              |            |
| Allyl Chloride                 | 107-05-1           | 76.53            | 200                    | U | 626.01                      |              |            |
| trans-1,2-Dichloroethene       | 156-60-5           | 96.94            | 240                    | U | 951.56                      |              |            |
| 1,1-Dichloroethane             | 75-34-3            | 98.96            | 160                    | U | 647.59                      |              |            |
| Cyclohexane                    | 110-82-7           | 84.16            | 320                    | U | 1101.48                     |              |            |
| 2-Butanone                     | 78-93-3            | 72.11            | 400                    | U | 1179.71                     |              |            |
| Carbon Tetrachloride           | 56-23-5            | 153.8            | 160                    | U | 1006.46                     |              |            |
| cis-1,2-Dichloroethene         | 156-59-2           | 96.94            | 3880                   | D | 15383.53                    |              |            |
| Chloroform                     | 67-66-3            | 119.4            | 80                     | U | 390.67                      |              |            |
| 1,4-Dioxane                    | 123-91-1           | 88.12            | 360                    | U | 1297.47                     |              |            |
| 1,1,1-Trichloroethane          | 71-55-6            | 133.4            | 160                    | U | 872.97                      |              |            |
| Tetrahydrofuran                | 109-99-9           | 72.11            | 320                    | U | 943.77                      |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1           | 114.2            | 160                    | U | 747.32                      |              |            |
| Benzene                        | 71-43-2            | 78.11            | 160                    | U | 511.15                      |              |            |
| 1,2-Dichloroethane             | 107-06-2           | 98.96            | 280                    | U | 1133.28                     |              |            |
| Trichloroethene                | 79-01-6            | 131.4            | 1520                   | D | 8168.83                     |              |            |
| 1,2-Dichloropropane            | 78-87-5            | 113              | 240                    | U | 1109.2                      |              |            |
| Bromodichloromethane           | 75-27-4            | 163.8            | 200                    | U | 1339.88                     |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1           | 100.2            | 240                    | U | 983.56                      |              |            |
| Toluene                        | 108-88-3           | 92.14            | 200                    | U | 753.7                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6         | 111              | 280                    | U | 1271.17                     |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5         | 111              | 240                    | U | 1089.57                     |              |            |
| 1,1,2-Trichloroethane          | 79-00-5            | 133.4            | 320                    | U | 1745.93                     |              |            |
| Dibromochloromethane           | 124-48-1           | 208.3            | 200                    | U | 1703.89                     |              |            |
| 1,2-Dibromoethane              | 106-93-4           | 187.9            | 280                    | U | 2151.82                     |              |            |
| Tetrachloroethene              | 127-18-4           | 165.8            | 22100                  | D | 149999.8                    |              |            |
| Chlorobenzene                  | 108-90-7           | 112.6            | 360                    | U | 1657.91                     |              |            |
| Ethyl Benzene                  | 100-41-4           | 106.2            | 320                    | U | 1389.94                     |              |            |

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| <b>Sample ID</b>          | <b>SG-52DL2</b>    |                         |                               |          |                                    |                     |                   |
|---------------------------|--------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-09DL2</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                    | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                    | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                    | <b>4000</b>             |                               |          |                                    |                     |                   |
|                           |                    |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b>  | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23          | 106.2                   | 440                           | U        | 1911.17                            |                     |                   |
| o-Xylene                  | 95-47-6            | 106.2                   | 280                           | U        | 1216.2                             |                     |                   |
| Styrene                   | 100-42-5           | 104.1                   | 280                           | U        | 1192.15                            |                     |                   |
| Bromoform                 | 75-25-2            | 252.8                   | 200                           | U        | 2067.89                            |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5            | 167.9                   | 400                           | U        | 2746.83                            |                     |                   |
| 2-Chlorotoluene           | 95-49-8            | 126.6                   | 400                           | U        | 2071.17                            |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8           | 120.2                   | 360                           | U        | 1769.82                            |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6            | 120.2                   | 400                           | U        | 1966.46                            |                     |                   |
| 4-Ethyltoluene            | 622-96-8           | 120.2                   | 320                           | U        | 1573.17                            |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1           | 147                     | 320                           | U        | 1923.93                            |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7           | 147                     | 240                           | U        | 1442.94                            |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1            | 147                     | 280                           | U        | 1683.44                            |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1           | 181.5                   | 160                           | U        | 1187.73                            |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3            | 260.8                   | 320                           | U        | 3413.33                            |                     |                   |
| 1,3-Butadiene             | 106-99-0           | 54.09                   | 360                           | U        | 796.42                             |                     |                   |
| Hexane                    | 110-54-3           | 86.17                   | 160                           | U        | 563.89                             |                     |                   |

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| <b>Sample ID</b>               | <b>SG-5</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-----------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-10</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b> |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>      |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>1</b>        |                  |                        |   |                             |              |            |
|                                |                 |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number      | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8         | 120.9            | 0.5                    |   | 2.47                        |              |            |
| tert-butyl alcohol             | 75-65-0         | 74.12            | 3.7                    |   | 11.34                       |              |            |
| Chloromethane                  | 74-87-3         | 50.49            | 0.4                    |   | 0.87                        |              |            |
| Methyl Methacrylate            | 80-62-6         | 100.117          | 0.1                    | U | 0.41                        |              |            |
| Vinyl Chloride                 | 75-01-4         | 62.5             | 0.07                   | U | 0.18                        |              |            |
| Bromomethane                   | 74-83-9         | 94.94            | 0.03                   | U | 0.12                        |              |            |
| Chloroethane                   | 75-00-3         | 64.52            | 0.07                   | U | 0.18                        |              |            |
| Trichlorofluoromethane         | 75-69-4         | 137.4            | 0.3                    |   | 1.57                        |              |            |
| Dichlorotetrafluoroethane      | 76-14-2         | 170.9            | 0.04                   | U | 0.28                        |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1         | 187.4            | 30.9                   | E | 236.99                      |              |            |
| Bromoethene                    | 593-60-2        | 106.9            | 0.03                   | U | 0.13                        |              |            |
| Heptane                        | 142-82-5        | 100.2            | 1.3                    |   | 5.37                        |              |            |
| 1,1-Dichloroethene             | 75-35-4         | 96.94            | 0.05                   | U | 0.2                         |              |            |
| Acetone                        | 67-64-1         | 58.08            | 60.6                   | E | 143.98                      |              |            |
| Carbon Disulfide               | 75-15-0         | 76.14            | 0.4                    |   | 1.31                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4       | 88.15            | 0.05                   | U | 0.18                        |              |            |
| Methylene Chloride             | 75-09-2         | 84.94            | 1.3                    |   | 4.62                        |              |            |
| Allyl Chloride                 | 107-05-1        | 76.53            | 0.05                   | U | 0.16                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5        | 96.94            | 0.3                    |   | 1.35                        |              |            |
| 1,1-Dichloroethane             | 75-34-3         | 98.96            | 0.2                    |   | 0.77                        |              |            |
| Cyclohexane                    | 110-82-7        | 84.16            | 0.2                    |   | 0.52                        |              |            |
| 2-Butanone                     | 78-93-3         | 72.11            | 2.5                    |   | 7.4                         |              |            |
| Carbon Tetrachloride           | 56-23-5         | 153.8            | 0.07                   |   | 0.44                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2        | 96.94            | 0.06                   | U | 0.24                        |              |            |
| Chloroform                     | 67-66-3         | 119.4            | 0.02                   | U | 0.1                         |              |            |
| 1,4-Dioxane                    | 123-91-1        | 88.12            | 0.09                   | U | 0.32                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6         | 133.4            | 1.3                    |   | 7.26                        |              |            |
| Tetrahydrofuran                | 109-99-9        | 72.11            | 0.08                   | U | 0.24                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1        | 114.2            | 0.04                   | U | 0.19                        |              |            |
| Benzene                        | 71-43-2         | 78.11            | 2.5                    |   | 7.89                        |              |            |
| 1,2-Dichloroethane             | 107-06-2        | 98.96            | 0.07                   | U | 0.28                        |              |            |
| Trichloroethene                | 79-01-6         | 131.4            | 0.29                   |   | 1.56                        |              |            |
| 1,2-Dichloropropane            | 78-87-5         | 113              | 0.06                   | U | 0.28                        |              |            |
| Bromodichloromethane           | 75-27-4         | 163.8            | 0.05                   | U | 0.33                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1        | 100.2            | 0.1                    |   | 0.53                        |              |            |
| Toluene                        | 108-88-3        | 92.14            | 17.2                   | E | 64.63                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6      | 111              | 0.07                   | U | 0.32                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5      | 111              | 0.06                   | U | 0.27                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5         | 133.4            | 0.08                   | U | 0.44                        |              |            |
| Dibromochloromethane           | 124-48-1        | 208.3            | 0.05                   | U | 0.43                        |              |            |
| 1,2-Dibromoethane              | 106-93-4        | 187.9            | 0.07                   | U | 0.54                        |              |            |
| Tetrachloroethene              | 127-18-4        | 165.8            | 0.95                   |   | 6.44                        |              |            |
| Chlorobenzene                  | 108-90-7        | 112.6            | 0.09                   | U | 0.41                        |              |            |
| Ethyl Benzene                  | 100-41-4        | 106.2            | 1.7                    |   | 7.3                         |              |            |

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| <b>Sample ID</b>          | <b>SG-5</b>       |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-10</b>   |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>1</b>                |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 7.1                           |          | 30.75                              |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.8                           |          | 3.47                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.3                           |          | 1.28                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.05                          | U        | 0.52                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 0.1                           | U        | 0.69                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 0.1                           | U        | 0.52                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.2                           |          | 0.88                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 0.6                           |          | 2.85                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.6                           |          | 3                                  |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.08                          | U        | 0.48                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.06                          | U        | 0.36                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.07                          | U        | 0.42                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.04                          | U        | 0.3                                |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.08                          | U        | 0.85                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.09                          | U        | 0.2                                |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 1.9                           |          | 6.59                               |                     |                   |

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| <b>Sample ID</b>               | <b>SG-5DL</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-------------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-10DL</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b>   |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>        |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>10</b>         |                  |                        |   |                             |              |            |
|                                |                   |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number        | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8           | 120.9            | 0.4                    | U | 1.98                        |              |            |
| tert-butyl alcohol             | 75-65-0           | 74.12            | 2.4                    | D | 7.28                        |              |            |
| Chloromethane                  | 74-87-3           | 50.49            | 0.6                    | U | 1.24                        |              |            |
| Methyl Methacrylate            | 80-62-6           | 100.117          | 1                      | U | 4.09                        |              |            |
| Vinyl Chloride                 | 75-01-4           | 62.5             | 0.7                    | U | 1.79                        |              |            |
| Bromomethane                   | 74-83-9           | 94.94            | 0.3                    | U | 1.16                        |              |            |
| Chloroethane                   | 75-00-3           | 64.52            | 0.7                    | U | 1.85                        |              |            |
| Trichlorofluoromethane         | 75-69-4           | 137.4            | 0.4                    | U | 2.25                        |              |            |
| Dichlorotetrafluoroethane      | 76-14-2           | 170.9            | 0.4                    | U | 2.8                         |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1           | 187.4            | 29                     | D | 222.27                      |              |            |
| Bromoethene                    | 593-60-2          | 106.9            | 0.3                    | U | 1.31                        |              |            |
| Heptane                        | 142-82-5          | 100.2            | 0.6                    | U | 2.46                        |              |            |
| 1,1-Dichloroethene             | 75-35-4           | 96.94            | 0.5                    | U | 1.98                        |              |            |
| Acetone                        | 67-64-1           | 58.08            | 48.8                   | D | 115.92                      |              |            |
| Carbon Disulfide               | 75-15-0           | 76.14            | 0.5                    | U | 1.56                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4         | 88.15            | 0.5                    | U | 1.8                         |              |            |
| Methylene Chloride             | 75-09-2           | 84.94            | 0.5                    | U | 1.74                        |              |            |
| Allyl Chloride                 | 107-05-1          | 76.53            | 0.5                    | U | 1.57                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5          | 96.94            | 0.6                    | U | 2.38                        |              |            |
| 1,1-Dichloroethane             | 75-34-3           | 98.96            | 0.4                    | U | 1.62                        |              |            |
| Cyclohexane                    | 110-82-7          | 84.16            | 0.8                    | U | 2.75                        |              |            |
| 2-Butanone                     | 78-93-3           | 72.11            | 2                      | D | 5.9                         |              |            |
| Carbon Tetrachloride           | 56-23-5           | 153.8            | 0.4                    | U | 2.52                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2          | 96.94            | 0.6                    | U | 2.38                        |              |            |
| Chloroform                     | 67-66-3           | 119.4            | 0.2                    | U | 0.98                        |              |            |
| 1,4-Dioxane                    | 123-91-1          | 88.12            | 0.9                    | U | 3.24                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6           | 133.4            | 0.4                    | U | 2.18                        |              |            |
| Tetrahydrofuran                | 109-99-9          | 72.11            | 0.8                    | U | 2.36                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1          | 114.2            | 0.4                    | U | 1.87                        |              |            |
| Benzene                        | 71-43-2           | 78.11            | 1.7                    | D | 5.43                        |              |            |
| 1,2-Dichloroethane             | 107-06-2          | 98.96            | 0.7                    | U | 2.83                        |              |            |
| Trichloroethene                | 79-01-6           | 131.4            | 0.4                    | U | 2.15                        |              |            |
| 1,2-Dichloropropane            | 78-87-5           | 113              | 0.6                    | U | 2.77                        |              |            |
| Bromodichloromethane           | 75-27-4           | 163.8            | 0.5                    | U | 3.35                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1          | 100.2            | 0.6                    | U | 2.46                        |              |            |
| Toluene                        | 108-88-3          | 92.14            | 13.2                   | D | 49.74                       |              |            |
| t-1,3-Dichloropropene          | 10061-02-6        | 111              | 0.7                    | U | 3.18                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5        | 111              | 0.6                    | U | 2.72                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5           | 133.4            | 0.8                    | U | 4.36                        |              |            |
| Dibromochloromethane           | 124-48-1          | 208.3            | 0.5                    | U | 4.26                        |              |            |
| 1,2-Dibromoethane              | 106-93-4          | 187.9            | 0.7                    | U | 5.38                        |              |            |
| Tetrachloroethene              | 127-18-4          | 165.8            | 0.3                    | U | 2.03                        |              |            |
| Chlorobenzene                  | 108-90-7          | 112.6            | 0.9                    | U | 4.14                        |              |            |
| Ethyl Benzene                  | 100-41-4          | 106.2            | 0.8                    | U | 3.47                        |              |            |

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| <b>Sample ID</b>          | <b>SG-5DL</b>     |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-10DL</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>10</b>               |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 4.3                           | D        | 18.68                              |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.7                           | U        | 3.04                               |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.7                           | U        | 2.98                               |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.5                           | U        | 5.17                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 1                             | U        | 6.87                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 1                             | U        | 5.18                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.9                           | U        | 4.42                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 1                             | U        | 4.92                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.8                           | U        | 3.93                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.8                           | U        | 4.81                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.6                           | U        | 3.61                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.7                           | U        | 4.21                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.4                           | U        | 2.97                               |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.8                           | U        | 8.53                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.9                           | U        | 1.99                               |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 0.4                           | U        | 1.41                               |                     |                   |

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| <b>Sample ID</b>               | <b>OA-1</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-----------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-11</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           | <b>4/1/2010</b> |                  |                        |   |                             |              |            |
| <b>Matrix</b>                  | <b>AIR</b>      |                  |                        |   |                             |              |            |
| <b>Dilution Factor</b>         | <b>1</b>        |                  |                        |   |                             |              |            |
|                                |                 |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number      | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8         | 120.9            | 0.3                    |   | 1.48                        |              |            |
| tert-butyl alcohol             | 75-65-0         | 74.12            | 0.1                    | U | 0.3                         |              |            |
| Chloromethane                  | 74-87-3         | 50.49            | 0.5                    |   | 0.93                        |              |            |
| Methyl Methacrylate            | 80-62-6         | 100.117          | 0.1                    | U | 0.41                        |              |            |
| Vinyl Chloride                 | 75-01-4         | 62.5             | 0.07                   | U | 0.18                        |              |            |
| Bromomethane                   | 74-83-9         | 94.94            | 0.03                   | U | 0.12                        |              |            |
| Chloroethane                   | 75-00-3         | 64.52            | 0.07                   | U | 0.18                        |              |            |
| Trichlorofluoromethane         | 75-69-4         | 137.4            | 0.2                    |   | 0.9                         |              |            |
| Dichlorotetrafluoroethane      | 76-14-2         | 170.9            | 0.04                   | U | 0.28                        |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1         | 187.4            | 0.04                   | U | 0.31                        |              |            |
| Bromoethene                    | 593-60-2        | 106.9            | 0.03                   | U | 0.13                        |              |            |
| Heptane                        | 142-82-5        | 100.2            | 0.06                   | U | 0.25                        |              |            |
| 1,1-Dichloroethene             | 75-35-4         | 96.94            | 0.05                   | U | 0.2                         |              |            |
| Acetone                        | 67-64-1         | 58.08            | 3.2                    |   | 7.58                        |              |            |
| Carbon Disulfide               | 75-15-0         | 76.14            | 0.05                   | U | 0.16                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4       | 88.15            | 0.05                   | U | 0.18                        |              |            |
| Methylene Chloride             | 75-09-2         | 84.94            | 0.5                    |   | 1.67                        |              |            |
| Allyl Chloride                 | 107-05-1        | 76.53            | 0.05                   | U | 0.16                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5        | 96.94            | 0.1                    |   | 0.44                        |              |            |
| 1,1-Dichloroethane             | 75-34-3         | 98.96            | 0.04                   | U | 0.16                        |              |            |
| Cyclohexane                    | 110-82-7        | 84.16            | 0.08                   | U | 0.28                        |              |            |
| 2-Butanone                     | 78-93-3         | 72.11            | 1                      |   | 2.8                         |              |            |
| Carbon Tetrachloride           | 56-23-5         | 153.8            | 0.05                   |   | 0.31                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2        | 96.94            | 0.06                   | U | 0.24                        |              |            |
| Chloroform                     | 67-66-3         | 119.4            | 0.02                   | U | 0.1                         |              |            |
| 1,4-Dioxane                    | 123-91-1        | 88.12            | 0.09                   | U | 0.32                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6         | 133.4            | 0.04                   | U | 0.22                        |              |            |
| Tetrahydrofuran                | 109-99-9        | 72.11            | 0.08                   | U | 0.24                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1        | 114.2            | 0.04                   | U | 0.19                        |              |            |
| Benzene                        | 71-43-2         | 78.11            | 0.4                    |   | 1.21                        |              |            |
| 1,2-Dichloroethane             | 107-06-2        | 98.96            | 0.07                   | U | 0.28                        |              |            |
| Trichloroethene                | 79-01-6         | 131.4            | 0.04                   | U | 0.21                        |              |            |
| 1,2-Dichloropropane            | 78-87-5         | 113              | 0.06                   | U | 0.28                        |              |            |
| Bromodichloromethane           | 75-27-4         | 163.8            | 0.05                   | U | 0.33                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1        | 100.2            | 0.1                    |   | 0.49                        |              |            |
| Toluene                        | 108-88-3        | 92.14            | 0.6                    |   | 2.15                        |              |            |
| t-1,3-Dichloropropene          | 10061-02-6      | 111              | 0.07                   | U | 0.32                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5      | 111              | 0.06                   | U | 0.27                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5         | 133.4            | 0.08                   | U | 0.44                        |              |            |
| Dibromochloromethane           | 124-48-1        | 208.3            | 0.05                   | U | 0.43                        |              |            |
| 1,2-Dibromoethane              | 106-93-4        | 187.9            | 0.07                   | U | 0.54                        |              |            |
| Tetrachloroethene              | 127-18-4        | 165.8            | 0.19                   |   | 1.29                        |              |            |
| Chlorobenzene                  | 108-90-7        | 112.6            | 0.09                   | U | 0.41                        |              |            |
| Ethyl Benzene                  | 100-41-4        | 106.2            | 0.08                   | U | 0.35                        |              |            |

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| <b>Sample ID</b>          | <b>OA-1</b>       |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-11</b>   |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>1</b>                |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 0.2                           |          | 0.96                               |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.07                          | U        | 0.3                                |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.07                          | U        | 0.3                                |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.05                          | U        | 0.52                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 0.1                           | U        | 0.69                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 0.1                           | U        | 0.52                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.09                          | U        | 0.44                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 0.1                           | U        | 0.49                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.08                          | U        | 0.39                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.08                          | U        | 0.48                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.06                          | U        | 0.36                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.07                          | U        | 0.42                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.04                          | U        | 0.3                                |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.08                          | U        | 0.85                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.09                          | U        | 0.2                                |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 0.9                           |          | 3.03                               |                     |                   |

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| <b>Sample ID</b>               | <b>OA-1RE</b>     |                  |                        |   |                             |              |            |
|--------------------------------|-------------------|------------------|------------------------|---|-----------------------------|--------------|------------|
| <b>Lab Sample Number</b>       | <b>B1786-11RE</b> |                  |                        |   |                             |              |            |
| <b>Sampling Date</b>           |                   | <b>4/1/2010</b>  |                        |   |                             |              |            |
| <b>Matrix</b>                  |                   | <b>AIR</b>       |                        |   |                             |              |            |
| <b>Dilution Factor</b>         |                   | <b>1</b>         |                        |   |                             |              |            |
|                                |                   |                  |                        |   |                             |              |            |
| Chemical                       | CAS Number        | Molecular Weight | Insert Results in ppbv | Q | Generate s Results in ug/m3 | QAS Decision | Foot-Notes |
| Dichlorodifluoromethane        | 75-71-8           | 120.9            | 0.5                    |   | 2.67                        |              |            |
| tert-butyl alcohol             | 75-65-0           | 74.12            | 0.1                    | U | 0.3                         |              |            |
| Chloromethane                  | 74-87-3           | 50.49            | 0.8                    |   | 1.59                        |              |            |
| Methyl Methacrylate            | 80-62-6           | 100.117          | 0.1                    | U | 0.41                        |              |            |
| Vinyl Chloride                 | 75-01-4           | 62.5             | 0.07                   | U | 0.18                        |              |            |
| Bromomethane                   | 74-83-9           | 94.94            | 0.03                   | U | 0.12                        |              |            |
| Chloroethane                   | 75-00-3           | 64.52            | 0.07                   | U | 0.18                        |              |            |
| Trichlorofluoromethane         | 75-69-4           | 137.4            | 0.3                    |   | 1.63                        |              |            |
| Dichlorotetrafluoroethane      | 76-14-2           | 170.9            | 0.04                   | U | 0.28                        |              |            |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1           | 187.4            | 0.04                   | U | 0.31                        |              |            |
| Bromoethene                    | 593-60-2          | 106.9            | 0.03                   | U | 0.13                        |              |            |
| Heptane                        | 142-82-5          | 100.2            | 0.06                   | U | 0.25                        |              |            |
| 1,1-Dichloroethene             | 75-35-4           | 96.94            | 0.05                   | U | 0.2                         |              |            |
| Acetone                        | 67-64-1           | 58.08            | 5.2                    |   | 12.35                       |              |            |
| Carbon Disulfide               | 75-15-0           | 76.14            | 0.05                   | U | 0.16                        |              |            |
| Methyl tert-Butyl Ether        | 1634-04-4         | 88.15            | 0.05                   | U | 0.18                        |              |            |
| Methylene Chloride             | 75-09-2           | 84.94            | 0.7                    |   | 2.47                        |              |            |
| Allyl Chloride                 | 107-05-1          | 76.53            | 0.05                   | U | 0.16                        |              |            |
| trans-1,2-Dichloroethene       | 156-60-5          | 96.94            | 0.2                    |   | 0.87                        |              |            |
| 1,1-Dichloroethane             | 75-34-3           | 98.96            | 0.04                   | U | 0.16                        |              |            |
| Cyclohexane                    | 110-82-7          | 84.16            | 0.08                   | U | 0.28                        |              |            |
| 2-Butanone                     | 78-93-3           | 72.11            | 1.2                    |   | 3.54                        |              |            |
| Carbon Tetrachloride           | 56-23-5           | 153.8            | 0.1                    |   | 0.63                        |              |            |
| cis-1,2-Dichloroethene         | 156-59-2          | 96.94            | 0.06                   | U | 0.24                        |              |            |
| Chloroform                     | 67-66-3           | 119.4            | 0.02                   | U | 0.1                         |              |            |
| 1,4-Dioxane                    | 123-91-1          | 88.12            | 0.09                   | U | 0.32                        |              |            |
| 1,1,1-Trichloroethane          | 71-55-6           | 133.4            | 0.04                   | U | 0.22                        |              |            |
| Tetrahydrofuran                | 109-99-9          | 72.11            | 0.08                   | U | 0.24                        |              |            |
| 2,2,4-Trimethylpentane         | 540-84-1          | 114.2            | 0.04                   | U | 0.19                        |              |            |
| Benzene                        | 71-43-2           | 78.11            | 0.5                    |   | 1.66                        |              |            |
| 1,2-Dichloroethane             | 107-06-2          | 98.96            | 0.07                   | U | 0.28                        |              |            |
| Trichloroethene                | 79-01-6           | 131.4            | 0.07                   |   | 0.38                        |              |            |
| 1,2-Dichloropropane            | 78-87-5           | 113              | 0.06                   | U | 0.28                        |              |            |
| Bromodichloromethane           | 75-27-4           | 163.8            | 0.05                   | U | 0.33                        |              |            |
| 4-Methyl-2-Pentanone           | 108-10-1          | 100.2            | 0.2                    |   | 0.7                         |              |            |
| Toluene                        | 108-88-3          | 92.14            | 0.8                    |   | 3.05                        |              |            |
| t-1,3-Dichloropropene          | 10061-02-6        | 111              | 0.07                   | U | 0.32                        |              |            |
| cis-1,3-Dichloropropene        | 10061-01-5        | 111              | 0.06                   | U | 0.27                        |              |            |
| 1,1,2-Trichloroethane          | 79-00-5           | 133.4            | 0.08                   | U | 0.44                        |              |            |
| Dibromochloromethane           | 124-48-1          | 208.3            | 0.05                   | U | 0.43                        |              |            |
| 1,2-Dibromoethane              | 106-93-4          | 187.9            | 0.07                   | U | 0.54                        |              |            |
| Tetrachloroethene              | 127-18-4          | 165.8            | 0.52                   |   | 3.53                        |              |            |
| Chlorobenzene                  | 108-90-7          | 112.6            | 0.09                   | U | 0.41                        |              |            |
| Ethyl Benzene                  | 100-41-4          | 106.2            | 0.08                   | U | 0.35                        |              |            |

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| <b>Sample ID</b>          | <b>OA-1RE</b>     |                         |                               |          |                                    |                     |                   |
|---------------------------|-------------------|-------------------------|-------------------------------|----------|------------------------------------|---------------------|-------------------|
| <b>Lab Sample Number</b>  | <b>B1786-11RE</b> |                         |                               |          |                                    |                     |                   |
| <b>Sampling Date</b>      |                   | <b>4/1/2010</b>         |                               |          |                                    |                     |                   |
| <b>Matrix</b>             |                   | <b>AIR</b>              |                               |          |                                    |                     |                   |
| <b>Dilution Factor</b>    |                   | <b>1</b>                |                               |          |                                    |                     |                   |
|                           |                   |                         |                               |          |                                    |                     |                   |
| <b>Chemical</b>           | <b>CAS Number</b> | <b>Molecular Weight</b> | <b>Insert Results in ppbv</b> | <b>Q</b> | <b>Generate s Results in ug/m3</b> | <b>QAS Decision</b> | <b>Foot-Notes</b> |
| m/p-Xylene                | 179601-23         | 106.2                   | 0.4                           |          | 1.82                               |                     |                   |
| o-Xylene                  | 95-47-6           | 106.2                   | 0.07                          | U        | 0.3                                |                     |                   |
| Styrene                   | 100-42-5          | 104.1                   | 0.07                          | U        | 0.3                                |                     |                   |
| Bromoform                 | 75-25-2           | 252.8                   | 0.05                          | U        | 0.52                               |                     |                   |
| 1,1,2,2-Tetrachloroethane | 79-34-5           | 167.9                   | 0.1                           | U        | 0.69                               |                     |                   |
| 2-Chlorotoluene           | 95-49-8           | 126.6                   | 0.1                           | U        | 0.52                               |                     |                   |
| 1,3,5-Trimethylbenzene    | 108-67-8          | 120.2                   | 0.09                          | U        | 0.44                               |                     |                   |
| 1,2,4-Trimethylbenzene    | 95-63-6           | 120.2                   | 0.1                           | U        | 0.49                               |                     |                   |
| 4-Ethyltoluene            | 622-96-8          | 120.2                   | 0.08                          | U        | 0.39                               |                     |                   |
| 1,3-Dichlorobenzene       | 541-73-1          | 147                     | 0.08                          | U        | 0.48                               |                     |                   |
| 1,4-Dichlorobenzene       | 106-46-7          | 147                     | 0.06                          | U        | 0.36                               |                     |                   |
| 1,2-Dichlorobenzene       | 95-50-1           | 147                     | 0.07                          | U        | 0.42                               |                     |                   |
| 1,2,4-Trichlorobenzene    | 120-82-1          | 181.5                   | 0.04                          | U        | 0.3                                |                     |                   |
| Hexachloro-1,3-Butadiene  | 87-68-3           | 260.8                   | 0.08                          | U        | 0.85                               |                     |                   |
| 1,3-Butadiene             | 106-99-0          | 54.09                   | 0.09                          | U        | 0.2                                |                     |                   |
| Hexane                    | 110-54-3          | 86.17                   | 1.1                           |          | 3.88                               |                     |                   |

Laboratory Name:  
Laboratory City:

**TO-15 MDL Study 2009**

| Compounds                      | MW    | ppbv MDL | ppbv RL | ug/m3 MDL | ug/m3 RL |
|--------------------------------|-------|----------|---------|-----------|----------|
| 1,1,1-Trichloroethane          | 133   | 0.04     | 0.04    | 0.22      | 0.22     |
| 1,1,2,2-Tetrachloroethane      | 168   | 0.10     | 0.10    | 0.69      | 0.69     |
| 1,1,2-Trichloroethane          | 133   | 0.08     | 0.10    | 0.44      | 0.54     |
| 1,1,2-Trichlorotrifluoroethane | 187   | 0.04     | 0.10    | 0.32      | 0.76     |
| 1,1-Dichloroethane             | 99    | 0.04     | 0.10    | 0.16      | 0.40     |
| 1,1-Dichloroethene             | 97    | 0.05     | 0.10    | 0.20      | 0.40     |
| 1,2,4-Trichlorobenzene         | 181   | 0.04     | 0.10    | 0.29      | 0.74     |
| 1,2,4-Trimethylbenzene         | 120   | 0.10     | 0.10    | 0.50      | 0.49     |
| 1,2-Dibromoethane              | 188   | 0.07     | 0.10    | 0.55      | 0.77     |
| 1,2-Dichlorobenzene            | 147   | 0.07     | 0.10    | 0.41      | 0.60     |
| 1,2-Dichloroethane             | 99    | 0.07     | 0.10    | 0.28      | 0.40     |
| 1,2-Dichloropropane            | 113   | 0.06     | 0.10    | 0.30      | 0.46     |
| 1,3,5-Trimethylbenzene         | 120   | 0.09     | 0.10    | 0.44      | 0.49     |
| 1,3-Butadiene                  | 54    | 0.09     | 0.10    | 0.20      | 0.22     |
| 1,3-Dichlorobenzene            | 147   | 0.08     | 0.10    | 0.46      | 0.60     |
| 1,4-Dichlorobenzene            | 147   | 0.06     | 0.10    | 0.35      | 0.60     |
| 1,4-Dioxane                    | 88    | 0.09     | 0.10    | 0.32      | 0.36     |
| 2,2,4-Trimethylpentane         | 114   | 0.04     | 0.10    | 0.21      | 0.47     |
| 2-Butanone                     | 72    | 0.10     | 0.10    | 0.29      | 0.29     |
| 2-Chlorotoluene                | 126.6 | 0.10     | 0.10    | 0.52      | 0.52     |
| 2-Hexanone                     | 100   | 0.08     | 0.10    | 0.33      | 0.41     |
| 4-Ethyltoluene                 | 120   | 0.08     | 0.10    | 0.38      | 0.49     |
| 4-Methyl-2-Pentanone           | 100   | 0.06     | 0.10    | 0.24      | 0.41     |
| Acetone                        | 58    | 0.10     | 0.10    | 0.24      | 0.24     |
| Allyl Chloride                 | 77    | 0.05     | 0.10    | 0.16      | 0.31     |
| Benzene                        | 78    | 0.04     | 0.10    | 0.12      | 0.32     |
| Benzyl Chloride                | 141   | 0.06     | 0.10    | 0.37      | 0.58     |
| Bromodichloromethane           | 164   | 0.05     | 0.10    | 0.33      | 0.67     |
| Bromoethene                    | 107   | 0.03     | 0.10    | 0.14      | 0.44     |
| Bromoform                      | 253   | 0.05     | 0.10    | 0.49      | 1.03     |
| Bromomethane                   | 95    | 0.03     | 0.10    | 0.12      | 0.39     |
| Carbon Disulfide               | 76    | 0.05     | 0.10    | 0.14      | 0.31     |
| Carbon Tetrachloride           | 154   | 0.04     | 0.04    | 0.25      | 0.25     |
| Chlorobenzene                  | 113   | 0.09     | 0.10    | 0.40      | 0.46     |
| Chloroethane                   | 65    | 0.07     | 0.10    | 0.18      | 0.27     |
| Chloroform                     | 119   | 0.02     | 0.10    | 0.08      | 0.49     |



**TO-15 MDL Study 2009**

| Compounds                 | MW    | ppbv MDL | ppbv RL | ug/m3 MDL | ug/m3 RL |
|---------------------------|-------|----------|---------|-----------|----------|
| Chloromethane             | 50    | 0.06     | 0.10    | 0.12      | 0.20     |
| cis-1,2-Dichloroethene    | 97    | 0.06     | 0.10    | 0.22      | 0.40     |
| cis-1,3-Dichloropropene   | 111   | 0.06     | 0.10    | 0.29      | 0.45     |
| Cyclohexane               | 82    | 0.08     | 0.10    | 0.28      | 0.34     |
| Dibromochloromethane      | 208   | 0.05     | 0.10    | 0.43      | 0.85     |
| Dichlorodifluoromethane   | 121   | 0.04     | 0.10    | 0.18      | 0.49     |
| Dichlorotetrafluoroethane | 171   | 0.04     | 0.10    | 0.27      | 0.70     |
| Ethanol                   | 46.1  | 0.10     | 0.10    | 0.19      | 0.19     |
| Ethyl Acetate             | 88    | 0.06     | 0.10    | 0.23      | 0.36     |
| Ethyl Benzene             | 106   | 0.08     | 0.10    | 0.35      | 0.43     |
| Heptane                   | 100   | 0.06     | 0.10    | 0.25      | 0.41     |
| Hexachloro-1,3-Butadiene  | 261   | 0.08     | 0.10    | 0.82      | 1.07     |
| Hexane                    | 86    | 0.04     | 0.10    | 0.15      | 0.35     |
| Isopropyl Alcohol         | 60    | 0.10     | 0.10    | 0.25      | 0.25     |
| m/p-Xylene                | 106   | 0.10     | 0.10    | 0.43      | 0.43     |
| Methyl methacrylate       | 100.1 | 0.10     | 0.10    | 0.41      | 0.41     |
| Methyl tert-Butyl Ether   | 88    | 0.05     | 0.10    | 0.19      | 0.36     |
| Methylene Chloride        | 85    | 0.05     | 0.10    | 0.16      | 0.35     |
| o-Xylene                  | 106   | 0.07     | 0.10    | 0.29      | 0.43     |
| Propene                   | 42    | 0.10     | 0.10    | 0.18      | 0.17     |
| Styrene                   | 104   | 0.07     | 0.10    | 0.29      | 0.43     |
| t-1,3-Dichloropropene     | 111   | 0.07     | 0.10    | 0.30      | 0.45     |
| tert-butyl alcohol        | 74.1  | 0.10     | 0.10    | 0.30      | 0.30     |
| Tetrachloroethene         | 166   | 0.03     | 0.03    | 0.20      | 0.20     |
| Tetrahydrofuran           | 72    | 0.08     | 0.10    | 0.23      | 0.29     |
| Toluene                   | 92    | 0.05     | 0.10    | 0.20      | 0.38     |
| trans-1,2-Dichloroethene  | 97    | 0.06     | 0.10    | 0.24      | 0.40     |
| Trichloroethene           | 131   | 0.04     | 0.04    | 0.21      | 0.21     |
| Trichlorofluoromethane    | 137   | 0.04     | 0.10    | 0.22      | 0.56     |
| Vinyl Acetate             | 86    | 0.10     | 0.10    | 0.35      | 0.35     |
| Vinyl Chloride            | 62.5  | 0.07     | 0.07    | 0.17      | 0.18     |
| Vinyl Chloride            | 62.5  | 0.07     | 0.20    | 0.17      | 0.51     |



## Surrogate Summary

SW-846

SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

Analytical Method: EPA SW846 TO-15

| Lab Sample ID | Client ID | Parameter               | Spike | Result | Recovery | Qual | Limits |      |
|---------------|-----------|-------------------------|-------|--------|----------|------|--------|------|
|               |           |                         |       |        |          |      | Low    | High |
| B1786-01      | SS-2      | 1-Bromo-4-Fluorobenzene | 10    | 9.59   | 96       |      | 65     | 135  |
| B1786-01DL    | SS-2DL    | 1-Bromo-4-Fluorobenzene | 10    | 9.33   | 93       |      | 65     | 135  |
| B1786-01DL2   | SS-2DL2   | 1-Bromo-4-Fluorobenzene | 10    | 7.82   | 78       |      | 65     | 135  |
| B1786-02      | SG-6      | 1-Bromo-4-Fluorobenzene | 10    | 9.09   | 91       |      | 65     | 135  |
| B1786-02DL    | SG-6DL    | 1-Bromo-4-Fluorobenzene | 10    | 9.3    | 93       |      | 65     | 135  |
| B1786-03      | IA-01     | 1-Bromo-4-Fluorobenzene | 10    | 8.63   | 86       |      | 65     | 135  |
| B1786-03DL    | IA-01DL   | 1-Bromo-4-Fluorobenzene | 10    | 7.87   | 79       |      | 65     | 135  |
| B1786-04      | SG-2      | 1-Bromo-4-Fluorobenzene | 10    | 9.33   | 93       |      | 65     | 135  |
| B1786-04DL    | SG-2DL    | 1-Bromo-4-Fluorobenzene | 10    | 8.03   | 80       |      | 65     | 135  |
| B1786-04DL2   | SG-2DL2   | 1-Bromo-4-Fluorobenzene | 10    | 9.46   | 95       |      | 65     | 135  |
| B1786-05      | SG-1      | 1-Bromo-4-Fluorobenzene | 10    | 9.19   | 92       |      | 65     | 135  |
| B1786-05DL    | SG-1DL    | 1-Bromo-4-Fluorobenzene | 10    | 9.6    | 96       |      | 65     | 135  |
| B1786-06      | SS-1      | 1-Bromo-4-Fluorobenzene | 10    | 10.26  | 103      |      | 65     | 135  |
| B1786-06DL    | SS-1DL    | 1-Bromo-4-Fluorobenzene | 10    | 9.27   | 93       |      | 65     | 135  |
| B1786-07      | SG-3      | 1-Bromo-4-Fluorobenzene | 10    | 9.9    | 99       |      | 65     | 135  |
| B1786-07DL    | SG-3DL    | 1-Bromo-4-Fluorobenzene | 10    | 9.32   | 93       |      | 65     | 135  |
| B1786-08      | SG-4      | 1-Bromo-4-Fluorobenzene | 10    | 9.74   | 97       |      | 65     | 135  |
| B1786-08DL    | SG-4DL    | 1-Bromo-4-Fluorobenzene | 10    | 9.27   | 93       |      | 65     | 135  |
| B1786-08DL2   | SG-4DL2   | 1-Bromo-4-Fluorobenzene | 10    | 9.05   | 91       |      | 65     | 135  |
| B1786-09      | SG-52     | 1-Bromo-4-Fluorobenzene | 10    | 8.47   | 85       |      | 65     | 135  |
| B1786-09DL    | SG-52DL   | 1-Bromo-4-Fluorobenzene | 10    | 9.59   | 96       |      | 65     | 135  |
| B1786-09DL2   | SG-52DL2  | 1-Bromo-4-Fluorobenzene | 10    | 9.05   | 91       |      | 65     | 135  |
| B1786-10      | SG-5      | 1-Bromo-4-Fluorobenzene | 10    | 12.03  | 120      |      | 65     | 135  |
| B1786-10DL    | SG-5DL    | 1-Bromo-4-Fluorobenzene | 10    | 9.9    | 99       |      | 65     | 135  |
| B1786-11      | OA-1      | 1-Bromo-4-Fluorobenzene | 10    | 8.87   | 89       |      | 65     | 135  |
| B1786-11RE    | OA-1RE    | 1-Bromo-4-Fluorobenzene | 10    | 12.16  | 122      |      | 65     | 135  |
| BSM0408A      | BSM0408A  | 1-Bromo-4-Fluorobenzene | 10    | 11.24  | 112      |      | 65     | 135  |
| BSM0409A      | BSM0409A  | 1-Bromo-4-Fluorobenzene | 10    | 10.45  | 105      |      | 65     | 135  |
| BSM0412A      | BSM0412A  | 1-Bromo-4-Fluorobenzene | 10    | 10.27  | 103      |      | 65     | 135  |
| VBM0408A1     | VBM0408A1 | 1-Bromo-4-Fluorobenzene | 10    | 8.39   | 84       |      | 65     | 135  |
| VBM0409A1     | VBM0409A1 | 1-Bromo-4-Fluorobenzene | 10    | 8.42   | 84       |      | 65     | 135  |
| VBM0412A1     | VBM0412A1 | 1-Bromo-4-Fluorobenzene | 10    | 9.16   | 92       |      | 65     | 135  |



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary  
SW-846

SDG No.: B1786  
Client: AECOM Technical Services Northeast, Inc  
Analytical Method: EPA SW846 TO-15

| Lab Sample ID | Parameter                      | Spike | Result | Rec | RPD | Qual | Limits |      | RPD |
|---------------|--------------------------------|-------|--------|-----|-----|------|--------|------|-----|
|               |                                |       |        |     |     |      | Low    | High |     |
| BSM0408A      | Dichlorodifluoromethane        | 10.0  | 9.3    | 93  |     |      | 70     | 130  |     |
|               | Ethanol                        | 10.0  | 11.0   | 110 |     |      | 70     | 130  |     |
|               | tert-Butyl Alcohol             | 10.0  | 10.3   | 103 |     |      | 70     | 130  |     |
|               | Chloromethane                  | 10.0  | 11.0   | 110 |     |      | 70     | 130  |     |
|               | Methyl methacrylate            | 10.0  | 11.4   | 114 |     |      | 70     | 130  |     |
|               | Vinyl Chloride                 | 10.0  | 10.8   | 108 |     |      | 70     | 130  |     |
|               | Bromomethane                   | 10.0  | 10.4   | 104 |     |      | 70     | 130  |     |
|               | Chloroethane                   | 10.0  | 10.4   | 104 |     |      | 70     | 130  |     |
|               | Trichlorofluoromethane         | 10.0  | 9.5    | 95  |     |      | 70     | 130  |     |
|               | Isopropyl Alcohol              | 10.0  | 10.9   | 109 |     |      | 70     | 130  |     |
|               | Dichlorotetrafluoroethane      | 10.0  | 9.7    | 97  |     |      | 70     | 130  |     |
|               | 1,1,2-Trichlorotrifluoroethane | 10.0  | 9.9    | 99  |     |      | 70     | 130  |     |
|               | Bromoethene                    | 10.0  | 10.0   | 100 |     |      | 70     | 130  |     |
|               | Heptane                        | 10.0  | 9.7    | 97  |     |      | 70     | 130  |     |
|               | 1,1-Dichloroethene             | 10.0  | 10.1   | 101 |     |      | 70     | 130  |     |
|               | Acetone                        | 10.0  | 10.9   | 109 |     |      | 70     | 130  |     |
|               | Carbon disulfide               | 10.0  | 10.6   | 106 |     |      | 70     | 130  |     |
|               | Methyl tert-butyl Ether        | 10.0  | 9.9    | 99  |     |      | 70     | 130  |     |
|               | Methylene Chloride             | 10.0  | 10.3   | 103 |     |      | 70     | 130  |     |
|               | Allyl Chloride                 | 10.0  | 11.1   | 111 |     |      | 70     | 130  |     |
|               | trans-1,2-Dichloroethene       | 10.0  | 10.2   | 102 |     |      | 70     | 130  |     |
|               | 1,1-Dichloroethane             | 10.0  | 10.5   | 105 |     |      | 70     | 130  |     |
|               | Cyclohexane                    | 10.0  | 9.2    | 92  |     |      | 70     | 130  |     |
|               | 2-Butanone                     | 10.0  | 13.0   | 130 |     |      | 70     | 130  |     |
|               | Carbon Tetrachloride           | 10.0  | 10.6   | 106 |     |      | 70     | 130  |     |
|               | cis-1,2-Dichloroethene         | 10.0  | 10.6   | 106 |     |      | 70     | 130  |     |
|               | Chloroform                     | 10.0  | 9.2    | 92  |     |      | 70     | 130  |     |
|               | 1,4-Dioxane                    | 10.0  | 11.0   | 110 |     |      | 70     | 130  |     |
|               | 1,1,1-Trichloroethane          | 10.0  | 9.0    | 90  |     |      | 70     | 130  |     |
|               | Tetrahydrofuran                | 10.0  | 12.1   | 121 |     |      | 70     | 130  |     |
|               | 2,2,4-Trimethylpentane         | 10.0  | 11.0   | 110 |     |      | 70     | 130  |     |
|               | Benzene                        | 10.0  | 11.1   | 111 |     |      | 70     | 130  |     |
|               | 1,2-Dichloroethane             | 10.0  | 10.9   | 109 |     |      | 70     | 130  |     |
|               | Trichloroethene                | 10.0  | 10.8   | 108 |     |      | 70     | 130  |     |
|               | 1,2-Dichloropropane            | 10.0  | 11.1   | 111 |     |      | 70     | 130  |     |
|               | Bromodichloromethane           | 10.0  | 10.7   | 107 |     |      | 70     | 130  |     |
|               | 4-Methyl-2-Pentanone           | 10.0  | 11.2   | 112 |     |      | 70     | 130  |     |
|               | Toluene                        | 10.0  | 10.6   | 106 |     |      | 70     | 130  |     |
|               | t-1,3-Dichloropropene          | 10.0  | 11.2   | 112 |     |      | 70     | 130  |     |
|               | cis-1,3-Dichloropropene        | 10.0  | 11.0   | 110 |     |      | 70     | 130  |     |
|               | 1,1,2-Trichloroethane          | 10.0  | 11.0   | 110 |     |      | 70     | 130  |     |
|               | Dibromochloromethane           | 10.0  | 11.2   | 112 |     |      | 70     | 130  |     |
|               | 1,2-Dibromoethane              | 10.0  | 10.8   | 108 |     |      | 70     | 130  |     |
|               | Tetrachloroethene              | 10.0  | 10.9   | 109 |     |      | 70     | 130  |     |
|               | Chlorobenzene                  | 10.0  | 11.1   | 111 |     |      | 70     | 130  |     |
|               | Ethyl Benzene                  | 10.0  | 10.9   | 109 |     |      | 70     | 130  |     |
|               | m/p-Xylene                     | 20.0  | 22.1   | 111 |     |      | 70     | 130  |     |
|               | o-Xylene                       | 10.0  | 11.5   | 115 |     |      | 70     | 130  |     |
|               | Styrene                        | 10.0  | 11.4   | 114 |     |      | 70     | 130  |     |
|               | Bromoform                      | 10.0  | 11.2   | 112 |     |      | 70     | 130  |     |



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary  
SW-846

SDG No.: B1786  
Client: AECOM Technical Services Northeast, Inc  
Analytical Method: EPA SW846 TO-15

| Lab Sample ID | Parameter                 | Spike | Result | Rec | RPD | Qual | Limits |      |     |
|---------------|---------------------------|-------|--------|-----|-----|------|--------|------|-----|
|               |                           |       |        |     |     |      | Low    | High | RPD |
| BSM0408A      | 1,1,2,2-Tetrachloroethane | 10.0  | 11.1   | 111 |     |      | 70     | 130  |     |
|               | 2-Chlorotoluene           | 10.0  | 11.2   | 112 |     |      | 70     | 130  |     |
|               | 1,3,5-Trimethylbenzene    | 10.0  | 11.0   | 110 |     |      | 70     | 130  |     |
|               | 1,2,4-Trimethylbenzene    | 10.0  | 11.4   | 114 |     |      | 70     | 130  |     |
|               | 4-Ethyltoluene            | 10.0  | 11.1   | 111 |     |      | 70     | 130  |     |
|               | 1,3-Dichlorobenzene       | 10.0  | 11.1   | 111 |     |      | 70     | 130  |     |
|               | 1,4-Dichlorobenzene       | 10.0  | 11.5   | 115 |     |      | 70     | 130  |     |
|               | 1,2-Dichlorobenzene       | 10.0  | 11.7   | 117 |     |      | 70     | 130  |     |
|               | 1,2,4-Trichlorobenzene    | 10.0  | 12.1   | 121 |     |      | 70     | 130  |     |
|               | Hexachloro-1,3-butadiene  | 10.0  | 12.2   | 122 |     |      | 70     | 130  |     |
|               | 1,3-Butadiene             | 10.0  | 11.0   | 110 |     |      | 70     | 130  |     |
|               | Hexane                    | 10.0  | 10.8   | 108 |     |      | 70     | 130  |     |



**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**  
**SW-846**

**SDG No.:** B1786

**Client:** AECOM Technical Services Northeast, Inc

**Analytical Method:** EPA SW846 TO-15

| Lab Sample ID | Parameter                      | Spike | Result | Rec | RPD | Qual | Limits |      | RPD |
|---------------|--------------------------------|-------|--------|-----|-----|------|--------|------|-----|
|               |                                |       |        |     |     |      | Low    | High |     |
| BSM0409A      | Dichlorodifluoromethane        | 10.0  | 8.1    | 81  |     |      | 70     | 130  |     |
|               | Ethanol                        | 10.0  | 9.9    | 99  |     |      | 70     | 130  |     |
|               | tert-Butyl Alcohol             | 10.0  | 9.0    | 90  |     |      | 70     | 130  |     |
|               | Chloromethane                  | 10.0  | 10.1   | 101 |     |      | 70     | 130  |     |
|               | Methyl methacrylate            | 10.0  | 10.1   | 101 |     |      | 70     | 130  |     |
|               | Vinyl Chloride                 | 10.0  | 9.65   | 97  |     |      | 70     | 130  |     |
|               | Bromomethane                   | 10.0  | 9.4    | 94  |     |      | 70     | 130  |     |
|               | Chloroethane                   | 10.0  | 9.6    | 96  |     |      | 70     | 130  |     |
|               | Trichlorofluoromethane         | 10.0  | 8.6    | 86  |     |      | 70     | 130  |     |
|               | Isopropyl Alcohol              | 10.0  | 9.8    | 98  |     |      | 70     | 130  |     |
|               | Dichlorotetrafluoroethane      | 10.0  | 8.9    | 89  |     |      | 70     | 130  |     |
|               | 1,1,2-Trichlorotrifluoroethane | 10.0  | 9.2    | 92  |     |      | 70     | 130  |     |
|               | Bromoethene                    | 10.0  | 8.9    | 89  |     |      | 70     | 130  |     |
|               | Heptane                        | 10.0  | 8.7    | 87  |     |      | 70     | 130  |     |
|               | 1,1-Dichloroethene             | 10.0  | 9.3    | 93  |     |      | 70     | 130  |     |
|               | Acetone                        | 10.0  | 9.8    | 98  |     |      | 70     | 130  |     |
|               | Carbon disulfide               | 10.0  | 9.6    | 96  |     |      | 70     | 130  |     |
|               | Methyl tert-butyl Ether        | 10.0  | 8.9    | 89  |     |      | 70     | 130  |     |
|               | Methylene Chloride             | 10.0  | 9.7    | 97  |     |      | 70     | 130  |     |
|               | Allyl Chloride                 | 10.0  | 10.1   | 101 |     |      | 70     | 130  |     |
|               | trans-1,2-Dichloroethene       | 10.0  | 9.4    | 94  |     |      | 70     | 130  |     |
|               | 1,1-Dichloroethane             | 10.0  | 9.5    | 95  |     |      | 70     | 130  |     |
|               | Cyclohexane                    | 10.0  | 8.4    | 84  |     |      | 70     | 130  |     |
|               | 2-Butanone                     | 10.0  | 12.0   | 120 |     |      | 70     | 130  |     |
|               | Carbon Tetrachloride           | 10.0  | 9.38   | 94  |     |      | 70     | 130  |     |
|               | cis-1,2-Dichloroethene         | 10.0  | 9.5    | 95  |     |      | 70     | 130  |     |
|               | Chloroform                     | 10.0  | 7.9    | 79  |     |      | 70     | 130  |     |
|               | 1,4-Dioxane                    | 10.0  | 9.8    | 98  |     |      | 70     | 130  |     |
|               | 1,1,1-Trichloroethane          | 10.0  | 7.8    | 78  |     |      | 70     | 130  |     |
|               | Tetrahydrofuran                | 10.0  | 10.9   | 109 |     |      | 70     | 130  |     |
|               | 2,2,4-Trimethylpentane         | 10.0  | 10.1   | 101 |     |      | 70     | 130  |     |
|               | Benzene                        | 10.0  | 10.4   | 104 |     |      | 70     | 130  |     |
|               | 1,2-Dichloroethane             | 10.0  | 9.6    | 96  |     |      | 70     | 130  |     |
|               | Trichloroethene                | 10.0  | 10.0   | 100 |     |      | 70     | 130  |     |
|               | 1,2-Dichloropropane            | 10.0  | 10.1   | 101 |     |      | 70     | 130  |     |
|               | Bromodichloromethane           | 10.0  | 9.7    | 97  |     |      | 70     | 130  |     |
|               | 4-Methyl-2-Pentanone           | 10.0  | 10.6   | 106 |     |      | 70     | 130  |     |
|               | Toluene                        | 10.0  | 10.0   | 100 |     |      | 70     | 130  |     |
|               | t-1,3-Dichloropropene          | 10.0  | 10.1   | 101 |     |      | 70     | 130  |     |
|               | cis-1,3-Dichloropropene        | 10.0  | 10.0   | 100 |     |      | 70     | 130  |     |
|               | 1,1,2-Trichloroethane          | 10.0  | 10.0   | 100 |     |      | 70     | 130  |     |
|               | Dibromochloromethane           | 10.0  | 10.1   | 101 |     |      | 70     | 130  |     |
|               | 1,2-Dibromoethane              | 10.0  | 9.9    | 99  |     |      | 70     | 130  |     |
|               | Tetrachloroethene              | 10.0  | 10.0   | 100 |     |      | 70     | 130  |     |
|               | Chlorobenzene                  | 10.0  | 11.2   | 112 |     |      | 70     | 130  |     |
|               | Ethyl Benzene                  | 10.0  | 11.3   | 113 |     |      | 70     | 130  |     |
|               | m/p-Xylene                     | 20.0  | 22.9   | 115 |     |      | 70     | 130  |     |
|               | o-Xylene                       | 10.0  | 11.8   | 118 |     |      | 70     | 130  |     |
|               | Styrene                        | 10.0  | 11.9   | 119 |     |      | 70     | 130  |     |
|               | Bromoform                      | 10.0  | 10.2   | 102 |     |      | 70     | 130  |     |



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary  
SW-846

SDG No.: B1786  
Client: AECOM Technical Services Northeast, Inc  
Analytical Method: EPA SW846 TO-15

| Lab Sample ID | Parameter                 | Spike | Result | Rec | RPD | Qual | Limits |      |     |
|---------------|---------------------------|-------|--------|-----|-----|------|--------|------|-----|
|               |                           |       |        |     |     |      | Low    | High | RPD |
| BSM0409A      | 1,1,2,2-Tetrachloroethane | 10.0  | 12.2   | 122 |     |      | 70     | 130  |     |
|               | 2-Chlorotoluene           | 10.0  | 11.8   | 118 |     |      | 70     | 130  |     |
|               | 1,3,5-Trimethylbenzene    | 10.0  | 11.6   | 116 |     |      | 70     | 130  |     |
|               | 1,2,4-Trimethylbenzene    | 10.0  | 11.7   | 117 |     |      | 70     | 130  |     |
|               | 4-Ethyltoluene            | 10.0  | 11.6   | 116 |     |      | 70     | 130  |     |
|               | 1,3-Dichlorobenzene       | 10.0  | 11.7   | 117 |     |      | 70     | 130  |     |
|               | 1,4-Dichlorobenzene       | 10.0  | 12.0   | 120 |     |      | 70     | 130  |     |
|               | 1,2-Dichlorobenzene       | 10.0  | 12.6   | 126 |     |      | 70     | 130  |     |
|               | 1,2,4-Trichlorobenzene    | 10.0  | 12.3   | 123 |     |      | 70     | 130  |     |
|               | Hexachloro-1,3-butadiene  | 10.0  | 12.3   | 123 |     |      | 70     | 130  |     |
|               | 1,3-Butadiene             | 10.0  | 9.9    | 99  |     |      | 70     | 130  |     |
|               | Hexane                    | 10.0  | 9.9    | 99  |     |      | 70     | 130  |     |





Laboratory Control Sample/Laboratory Control Sample Duplicate Summary  
SW-846

SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

Analytical Method: EPA SW846 TO-15

| Lab Sample ID | Parameter                      | Spike | Result | Rec | RPD | Qual | Limits |      |     |
|---------------|--------------------------------|-------|--------|-----|-----|------|--------|------|-----|
|               |                                |       |        |     |     |      | Low    | High | RPD |
| BSM0412A      | Dichlorodifluoromethane        | 10.0  | 9.3    | 93  |     |      | 70     | 130  |     |
|               | Ethanol                        | 10.0  | 10.9   | 109 |     |      | 70     | 130  |     |
|               | tert-Butyl Alcohol             | 10.0  | 9.6    | 96  |     |      | 70     | 130  |     |
|               | Chloromethane                  | 10.0  | 12.9   | 129 |     |      | 70     | 130  |     |
|               | Methyl methacrylate            | 10.0  | 10.5   | 105 |     |      | 70     | 130  |     |
|               | Vinyl Chloride                 | 10.0  | 11.6   | 116 |     |      | 70     | 130  |     |
|               | Bromomethane                   | 10.0  | 10.5   | 105 |     |      | 70     | 130  |     |
|               | Chloroethane                   | 10.0  | 11.8   | 118 |     |      | 70     | 130  |     |
|               | Trichlorofluoromethane         | 10.0  | 9.1    | 91  |     |      | 70     | 130  |     |
|               | Isopropyl Alcohol              | 10.0  | 11.1   | 111 |     |      | 70     | 130  |     |
|               | Dichlorotetrafluoroethane      | 10.0  | 10.0   | 100 |     |      | 70     | 130  |     |
|               | 1,1,2-Trichlorotrifluoroethane | 10.0  | 10.1   | 101 |     |      | 70     | 130  |     |
|               | Bromoethene                    | 10.0  | 10.7   | 107 |     |      | 70     | 130  |     |
|               | Heptane                        | 10.0  | 10.8   | 108 |     |      | 70     | 130  |     |
|               | 1,1-Dichloroethene             | 10.0  | 11.1   | 111 |     |      | 70     | 130  |     |
|               | Acetone                        | 10.0  | 11.9   | 119 |     |      | 70     | 130  |     |
|               | Carbon disulfide               | 10.0  | 10.9   | 109 |     |      | 70     | 130  |     |
|               | Methyl tert-butyl Ether        | 10.0  | 9.7    | 97  |     |      | 70     | 130  |     |
|               | Methylene Chloride             | 10.0  | 11.2   | 112 |     |      | 70     | 130  |     |
|               | Allyl Chloride                 | 10.0  | 12.0   | 120 |     |      | 70     | 130  |     |
|               | trans-1,2-Dichloroethene       | 10.0  | 11.1   | 111 |     |      | 70     | 130  |     |
|               | 1,1-Dichloroethane             | 10.0  | 10.9   | 109 |     |      | 70     | 130  |     |
|               | Cyclohexane                    | 10.0  | 10.0   | 100 |     |      | 70     | 130  |     |
|               | 2-Butanone                     | 10.0  | 12.0   | 120 |     |      | 70     | 130  |     |
|               | Carbon Tetrachloride           | 10.0  | 9.46   | 95  |     |      | 70     | 130  |     |
|               | cis-1,2-Dichloroethene         | 10.0  | 10.4   | 104 |     |      | 70     | 130  |     |
|               | Chloroform                     | 10.0  | 9.9    | 99  |     |      | 70     | 130  |     |
|               | 1,4-Dioxane                    | 10.0  | 10.1   | 101 |     |      | 70     | 130  |     |
|               | 1,1,1-Trichloroethane          | 10.0  | 8.6    | 86  |     |      | 70     | 130  |     |
|               | Tetrahydrofuran                | 10.0  | 11.8   | 118 |     |      | 70     | 130  |     |
|               | 2,2,4-Trimethylpentane         | 10.0  | 10.7   | 107 |     |      | 70     | 130  |     |
|               | Benzene                        | 10.0  | 10.7   | 107 |     |      | 70     | 130  |     |
|               | 1,2-Dichloroethane             | 10.0  | 9.7    | 97  |     |      | 70     | 130  |     |
|               | Trichloroethene                | 10.0  | 10.0   | 100 |     |      | 70     | 130  |     |
|               | 1,2-Dichloropropane            | 10.0  | 11.7   | 117 |     |      | 70     | 130  |     |
|               | Bromodichloromethane           | 10.0  | 10.0   | 100 |     |      | 70     | 130  |     |
|               | 4-Methyl-2-Pentanone           | 10.0  | 10.7   | 107 |     |      | 70     | 130  |     |
|               | Toluene                        | 10.0  | 10.5   | 105 |     |      | 70     | 130  |     |
|               | t-1,3-Dichloropropene          | 10.0  | 10.9   | 109 |     |      | 70     | 130  |     |
|               | cis-1,3-Dichloropropene        | 10.0  | 10.9   | 109 |     |      | 70     | 130  |     |
|               | 1,1,2-Trichloroethane          | 10.0  | 10.5   | 105 |     |      | 70     | 130  |     |
|               | Dibromochloromethane           | 10.0  | 10.2   | 102 |     |      | 70     | 130  |     |
|               | 1,2-Dibromoethane              | 10.0  | 10.6   | 106 |     |      | 70     | 130  |     |
|               | Tetrachloroethene              | 10.0  | 9.60   | 96  |     |      | 70     | 130  |     |
|               | Chlorobenzene                  | 10.0  | 10.8   | 108 |     |      | 70     | 130  |     |
|               | Ethyl Benzene                  | 10.0  | 10.5   | 105 |     |      | 70     | 130  |     |
|               | m/p-Xylene                     | 20.0  | 20.8   | 104 |     |      | 70     | 130  |     |
|               | o-Xylene                       | 10.0  | 10.5   | 105 |     |      | 70     | 130  |     |
|               | Styrene                        | 10.0  | 10.8   | 108 |     |      | 70     | 130  |     |
|               | Bromoform                      | 10.0  | 9.9    | 99  |     |      | 70     | 130  |     |



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary  
SW-846

SDG No.: B1786  
Client: AECOM Technical Services Northeast, Inc  
Analytical Method: EPA SW846 TO-15

| Lab Sample ID | Parameter                 | Spike | Result | Rec | RPD | Qual | Limits |      |     |
|---------------|---------------------------|-------|--------|-----|-----|------|--------|------|-----|
|               |                           |       |        |     |     |      | Low    | High | RPD |
| BSM0412A      | 1,1,2,2-Tetrachloroethane | 10.0  | 10.3   | 103 |     |      | 70     | 130  |     |
|               | 2-Chlorotoluene           | 10.0  | 10.3   | 103 |     |      | 70     | 130  |     |
|               | 1,3,5-Trimethylbenzene    | 10.0  | 10.0   | 100 |     |      | 70     | 130  |     |
|               | 1,2,4-Trimethylbenzene    | 10.0  | 9.8    | 98  |     |      | 70     | 130  |     |
|               | 4-Ethyltoluene            | 10.0  | 10.1   | 101 |     |      | 70     | 130  |     |
|               | 1,3-Dichlorobenzene       | 10.0  | 10.1   | 101 |     |      | 70     | 130  |     |
|               | 1,4-Dichlorobenzene       | 10.0  | 10.3   | 103 |     |      | 70     | 130  |     |
|               | 1,2-Dichlorobenzene       | 10.0  | 10.3   | 103 |     |      | 70     | 130  |     |
|               | 1,2,4-Trichlorobenzene    | 10.0  | 10.3   | 103 |     |      | 70     | 130  |     |
|               | Hexachloro-1,3-butadiene  | 10.0  | 10.3   | 103 |     |      | 70     | 130  |     |
|               | 1,3-Butadiene             | 10.0  | 11.6   | 116 |     |      | 70     | 130  |     |
|               | Hexane                    | 10.0  | 10.5   | 105 |     |      | 70     | 130  |     |



4A

## VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBM0408A1

Lab Name: CHEMTECHContract: EART05Lab Code: CHEM Case No.: B1786SAS No.: B1786 SDG NO.: B1786Lab File ID: VM007747.DLab Sample ID: VBM0408A1Date Analyzed: 04/08/2010Time Analyzed: 18:07GC Column: RTX-1 ID: 0.32 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAM

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| BSM0408A          | BSM0408A         | VM007748.D     | 04/08/2010       |
| IA-01             | B1786-03         | VM007753.D     | 04/09/2010       |
| SS-2              | B1786-01         | VM007755.D     | 04/09/2010       |
| SS-2DL            | B1786-01DL       | VM007756.D     | 04/09/2010       |
| SG-6              | B1786-02         | VM007757.D     | 04/09/2010       |
| SG-6DL            | B1786-02DL       | VM007758.D     | 04/09/2010       |
| SS-1              | B1786-06         | VM007764.D     | 04/09/2010       |

COMMENTS: \_\_\_\_\_  
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4A

## VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBM0409A1

Lab Name: CHEMTECHContract: EART05Lab Code: CHEM Case No.: B1786SAS No.: B1786 SDG NO.: B1786Lab File ID: VM007769.DLab Sample ID: VBM0409A1Date Analyzed: 04/09/2010Time Analyzed: 14:34GC Column: RTX-1 ID: 0.32 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAM

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| BSM0409A          | BSM0409A         | VM007770.D     | 04/09/2010       |
| IA-01DL           | B1786-03DL       | VM007774.D     | 04/09/2010       |
| OA-1              | B1786-11         | VM007775.D     | 04/09/2010       |
| SS-2DL2           | B1786-01DL2      | VM007776.D     | 04/09/2010       |
| SG-1              | B1786-05         | VM007779.D     | 04/09/2010       |
| SS-1DL            | B1786-06DL       | VM007780.D     | 04/09/2010       |
| SG-3              | B1786-07         | VM007781.D     | 04/09/2010       |
| SG-3DL            | B1786-07DL       | VM007782.D     | 04/10/2010       |
| SG-4              | B1786-08         | VM007783.D     | 04/10/2010       |
| SG-4DL            | B1786-08DL       | VM007784.D     | 04/10/2010       |
| SG-52             | B1786-09         | VM007786.D     | 04/10/2010       |
| SG-2DL            | B1786-04DL       | VM007792.D     | 04/10/2010       |

COMMENTS: \_\_\_\_\_  
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4A

## VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBM0412A1

Lab Name: CHEMTECHContract: EART05Lab Code: CHEM Case No.: B1786SAS No.: B1786 SDG NO.: B1786Lab File ID: VM007802.DLab Sample ID: VBM0412A1Date Analyzed: 04/12/2010Time Analyzed: 18:20GC Column: RTX-1 ID: 0.32 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAM

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| BSM0412A          | BSM0412A         | VM007803.D     | 04/12/2010       |
| SG-4DL2           | B1786-08DL2      | VM007807.D     | 04/12/2010       |
| OA-1RE            | B1786-11RE       | VM007808.D     | 04/12/2010       |
| SG-1DL            | B1786-05DL       | VM007809.D     | 04/12/2010       |
| SG-5              | B1786-10         | VM007810.D     | 04/13/2010       |
| SG-5DL            | B1786-10DL       | VM007811.D     | 04/13/2010       |
| SG-2DL2           | B1786-04DL2      | VM007812.D     | 04/13/2010       |
| SG-52DL           | B1786-09DL       | VM007813.D     | 04/13/2010       |
| SG-52DL2          | B1786-09DL2      | VM007815.D     | 04/13/2010       |
| SG-2              | B1786-04         | VM007817.D     | 04/13/2010       |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_



5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EART05  
Lab Code: CHEM Case No.: B1786 SAS No.: B1786 SDG NO.: B1786  
Lab File ID: VM007738.D BFB Injection Date: 04/08/2010  
Instrument ID: MSVOAM BFB Injection Time: 11:21  
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 8.0 - 40.0% of mass 95             | 19.6                 |
| 75  | 30.0 - 66.0% of mass 95            | 44.4                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.1                  |
| 173 | Less than 2.0% of mass 174         | 0.1 ( 0.1 ) 1        |
| 174 | 50.0 - 120.0% of mass 95           | 65.2                 |
| 175 | 4.0 - 9.0% of mass 174             | 4 ( 6.1 ) 1          |
| 176 | 93.0 - 101.0% of mass 174          | 63.2 ( 96.9 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 3.9 ( 6.1 ) 2        |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| 0.5 PPBV ICC      | 0.5 PPBV ICC     | VM007739.D     | 04/08/2010       | 11:58            |
| 5 PPBV ICC        | 5 PPBV ICC       | VM007740.D     | 04/08/2010       | 12:40            |
| 2 PPBV ICC        | 2 PPBV ICC       | VM007741.D     | 04/08/2010       | 13:19            |
| 10 PPBV ICC       | 10 PPBV ICC      | VM007742.D     | 04/08/2010       | 14:05            |
| 15 PPBV ICC       | 15 PPBV ICC      | VM007743.D     | 04/08/2010       | 14:53            |
| 0.03 PPBV RPT     | 0.03 PPBV RPT    | VM007750.D     | 04/08/2010       | 20:19            |
| 0.1 PPBV RPT      | 0.1 PPBV RPT     | VM007751.D     | 04/08/2010       | 21:00            |
| IA-01             | B1786-03         | VM007753.D     | 04/09/2010       | 02:16            |
| SS-2              | B1786-01         | VM007755.D     | 04/09/2010       | 03:45            |
| SS-2DL            | B1786-01DL       | VM007756.D     | 04/09/2010       | 04:31            |
| SG-6              | B1786-02         | VM007757.D     | 04/09/2010       | 05:15            |
| SG-6DL            | B1786-02DL       | VM007758.D     | 04/09/2010       | 06:01            |
| SS-1              | B1786-06         | VM007764.D     | 04/09/2010       | 10:56            |



5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EART05  
Lab Code: CHEM Case No.: B1786 SAS No.: B1786 SDG NO.: B1786  
Lab File ID: VM007766.D BFB Injection Date: 04/09/2010  
Instrument ID: MSVOAM BFB Injection Time: 12:13  
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 8.0 - 40.0% of mass 95             | 20.8                 |
| 75  | 30.0 - 66.0% of mass 95            | 45.5                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 5.9                  |
| 173 | Less than 2.0% of mass 174         | 0.2 ( 0.2 ) 1        |
| 174 | 50.0 - 120.0% of mass 95           | 66.9                 |
| 175 | 4.0 - 9.0% of mass 174             | 4.2 ( 6.3 ) 1        |
| 176 | 93.0 - 101.0% of mass 174          | 65.7 ( 98.2 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 3.6 ( 5.6 ) 2        |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| 10 PPBV CCC       | 10 PPBV CCC      | VM007767.D     | 04/09/2010       | 12:54            |
| VBM0409A1         | VBM0409A1        | VM007769.D     | 04/09/2010       | 14:34            |
| BSM0409A          | BSM0409A         | VM007770.D     | 04/09/2010       | 15:19            |
| IA-01DL           | B1786-03DL       | VM007774.D     | 04/09/2010       | 18:30            |
| OA-1              | B1786-11         | VM007775.D     | 04/09/2010       | 19:15            |
| SS-2DL2           | B1786-01DL2      | VM007776.D     | 04/09/2010       | 19:59            |
| SG-1              | B1786-05         | VM007779.D     | 04/09/2010       | 22:12            |
| SS-1DL            | B1786-06DL       | VM007780.D     | 04/09/2010       | 22:57            |
| SG-3              | B1786-07         | VM007781.D     | 04/09/2010       | 23:41            |
| SG-3DL            | B1786-07DL       | VM007782.D     | 04/10/2010       | 00:26            |
| SG-4              | B1786-08         | VM007783.D     | 04/10/2010       | 01:10            |
| SG-4DL            | B1786-08DL       | VM007784.D     | 04/10/2010       | 01:54            |
| SG-52             | B1786-09         | VM007786.D     | 04/10/2010       | 07:22            |
| SG-2DL            | B1786-04DL       | VM007792.D     | 04/10/2010       | 11:46            |





5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EART05  
Lab Code: CHEM Case No.: B1786 SAS No.: B1786 SDG NO.: B1786  
Lab File ID: VM007793.D BFB Injection Date: 04/12/2010  
Instrument ID: MSVOAM BFB Injection Time: 11:30  
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 8.0 - 40.0% of mass 95             | 23.1                 |
| 75  | 30.0 - 66.0% of mass 95            | 51.9                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 5.8                  |
| 173 | Less than 2.0% of mass 174         | 0.2 ( 0.2 ) 1        |
| 174 | 50.0 - 120.0% of mass 95           | 77.6                 |
| 175 | 4.0 - 9.0% of mass 174             | 4.9 ( 6.2 ) 1        |
| 176 | 93.0 - 101.0% of mass 174          | 75.4 ( 97.2 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.4 ( 5.9 ) 2        |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| 0.5 PPBV ICC      | 0.5 PPBV ICC     | VM007794.D     | 04/12/2010       | 12:16            |
| 5 PPBV ICC        | 5 PPBV ICC       | VM007795.D     | 04/12/2010       | 12:57            |
| 2 PPBV ICC        | 2 PPBV ICC       | VM007796.D     | 04/12/2010       | 13:36            |
| 10 PPBV ICC       | 10 PPBV ICC      | VM007797.D     | 04/12/2010       | 14:21            |
| 15 PPBV ICC       | 15 PPBV ICC      | VM007798.D     | 04/12/2010       | 15:09            |
| VBM0412A1         | VBM0412A1        | VM007802.D     | 04/12/2010       | 18:20            |
| BSM0412A          | BSM0412A         | VM007803.D     | 04/12/2010       | 19:05            |
| SG-4DL2           | B1786-08DL2      | VM007807.D     | 04/12/2010       | 21:59            |
| OA-1RE            | B1786-11RE       | VM007808.D     | 04/12/2010       | 22:44            |
| SG-1DL            | B1786-05DL       | VM007809.D     | 04/12/2010       | 23:29            |
| SG-5              | B1786-10         | VM007810.D     | 04/13/2010       | 00:14            |
| SG-5DL            | B1786-10DL       | VM007811.D     | 04/13/2010       | 00:59            |
| SG-2DL2           | B1786-04DL2      | VM007812.D     | 04/13/2010       | 01:44            |
| SG-52DL           | B1786-09DL       | VM007813.D     | 04/13/2010       | 02:29            |
| SG-52DL2          | B1786-09DL2      | VM007815.D     | 04/13/2010       | 03:56            |
| SG-2              | B1786-04         | VM007817.D     | 04/13/2010       | 05:22            |



8A

## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EART05  
Lab Code: CHEM Case No.: B1786 SAS No.: B1786 SDG NO.: B1786  
Lab File ID: VM007742.D Date Analyzed: 04/08/2010  
Instrument ID: MSVOAM Time Analyzed: 14:05  
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

|                | IS1<br>AREA # | RT # | IS2<br>AREA # | RT # | IS3<br>AREA # | RT #  |
|----------------|---------------|------|---------------|------|---------------|-------|
| 12 HOUR STD    | 1333632       | 6.18 | 3877723       | 7.87 | 2917151       | 13.26 |
| UPPER LIMIT    | 1867085       | 6.51 | 5428812       | 8.20 | 4084011       | 13.59 |
| LOWER LIMIT    | 800179.2      | 5.85 | 2326634       | 7.54 | 1750291       | 12.93 |
| EPA SAMPLE NO. |               |      |               |      |               |       |
| SS-2           | 1405736       | 6.18 | 3437050       | 7.85 | 2632603       | 13.27 |
| SS-2DL         | 1423043       | 6.16 | 4734655       | 7.85 | 4567185 *     | 13.25 |
| SG-6           | 1186964       | 6.17 | 3801255       | 7.85 | 3480975       | 13.24 |
| SG-6DL         | 1436841       | 6.16 | 4841672       | 7.84 | 4603111 *     | 13.24 |
| IA-01          | 1507440       | 6.16 | 3504352       | 7.85 | 2252621       | 13.25 |
| SS-1           | 1278070       | 6.16 | 4152795       | 7.84 | 3437894       | 13.24 |
| BSM0408A       | 1427494       | 6.17 | 3438143       | 7.86 | 2682720       | 13.26 |
| VBM0408A1      | 1816709       | 6.17 | 4419193       | 7.85 | 3842166       | 13.26 |

IS1 = Bromochloromethane

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area

AREA LOWER LIMIT = -40% of internal standard area

RT UPPER LIMIT = +0.33 minutes of internal standard RT

RT UPPER LIMIT = -0.33 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.



8A

## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EART05  
Lab Code: CHEM Case No.: B1786 SAS No.: B1786 SDG NO.: B1786  
Lab File ID: VM007797.D Date Analyzed: 04/12/2010  
Instrument ID: MSVOAM Time Analyzed: 14:21  
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

|                | IS1<br>AREA # | RT # | IS2<br>AREA # | RT # | IS3<br>AREA # | RT #  |
|----------------|---------------|------|---------------|------|---------------|-------|
| 12 HOUR STD    | 1232965       | 6.11 | 3649718       | 7.79 | 3372294       | 13.17 |
| UPPER LIMIT    | 1726151       | 6.44 | 5109605       | 8.12 | 4721212       | 13.50 |
| LOWER LIMIT    | 739779        | 5.78 | 2189831       | 7.46 | 2023376       | 12.84 |
| EPA SAMPLE NO. |               |      |               |      |               |       |
| SG-2           | 1491976       | 6.11 | 3642592       | 7.78 | 3579766       | 13.20 |
| SG-2DL2        | 1609267       | 6.10 | 4605533       | 7.77 | 4454053       | 13.16 |
| SG-1DL         | 1441232       | 6.10 | 3726868       | 7.77 | 3455853       | 13.16 |
| SG-4DL2        | 1396822       | 6.10 | 3646154       | 7.76 | 3412608       | 13.16 |
| SG-52DL        | 1577981       | 6.10 | 4309120       | 7.77 | 4024422       | 13.15 |
| SG-52DL2       | 1480426       | 6.11 | 3877676       | 7.77 | 3593087       | 13.15 |
| SG-5           | 1285828       | 6.11 | 3309844       | 7.77 | 2761052       | 13.16 |
| SG-5DL         | 1514591       | 6.10 | 4346696       | 7.77 | 4280777       | 13.15 |
| OA-1RE         | 977629        | 6.10 | 2362047       | 7.77 | 1730426 *     | 13.15 |
| BSM0412A       | 1347281       | 6.11 | 3823491       | 7.78 | 3416108       | 13.16 |
| VBM0412A1      | 1479402       | 6.10 | 4009931       | 7.77 | 3700337       | 13.17 |

IS1 = Bromochloromethane  
IS2 = 1,4-Difluorobenzene  
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area  
AREA LOWER LIMIT = -40% of internal standard area  
RT UPPER LIMIT = +0.33 minutes of internal standard RT  
RT LOWER LIMIT = -0.33 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.



8A

## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EART05  
Lab Code: CHEM Case No.: B1786 SAS No.: B1786 SDG NO.: B1786  
Lab File ID: VM007767.D Date Analyzed: 04/09/2010  
Instrument ID: MSVOAM Time Analyzed: 12:54  
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

|                | IS1<br>AREA # | RT # | IS2<br>AREA # | RT # | IS3<br>AREA # | RT #  |
|----------------|---------------|------|---------------|------|---------------|-------|
| 12 HOUR STD    | 1290230       | 6.17 | 3972362       | 7.85 | 2974992       | 13.24 |
| UPPER LIMIT    | 1806322       | 6.50 | 5561307       | 8.18 | 4164989       | 13.57 |
| LOWER LIMIT    | 774138        | 5.84 | 2383417       | 7.52 | 1784995       | 12.91 |
| EPA SAMPLE NO. |               |      |               |      |               |       |
| SS-2DL2        | 1450147       | 6.15 | 2850329       | 7.83 | 2398899       | 13.22 |
| IA-01DL        | 1601410       | 6.16 | 3103699       | 7.83 | 2570731       | 13.23 |
| SG-2DL         | 1480119       | 6.12 | 3516014       | 7.78 | 2797019       | 13.18 |
| SG-1           | 1244971       | 6.15 | 2678173       | 7.83 | 2571118       | 13.22 |
| SS-1DL         | 1473388       | 6.15 | 4579703       | 7.82 | 4240819 *     | 13.21 |
| SG-3           | 1371745       | 6.14 | 4046880       | 7.81 | 3373337       | 13.21 |
| SG-3DL         | 1508305       | 6.14 | 4571165       | 7.81 | 4412406 *     | 13.21 |
| SG-4           | 1363580       | 6.14 | 4269562       | 7.82 | 3528408       | 13.23 |
| SG-4DL         | 1583011       | 6.14 | 4691029       | 7.81 | 4570214 *     | 13.21 |
| SG-52          | 1454364       | 6.12 | 1445346 *     | 7.79 | 3364975       | 13.19 |
| OA-1           | 1268001       | 6.15 | 2440761       | 7.83 | 1696736 *     | 13.23 |
| BSM0409A       | 1341839       | 6.17 | 3126555       | 7.84 | 2161810       | 13.24 |
| VBM0409A1      | 1586984       | 6.16 | 3684873       | 7.84 | 3133117       | 13.25 |

IS1 = Bromochloromethane

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area

AREA LOWER LIMIT = -40% of internal standard area

RT UPPER LIMIT = +0.33 minutes of internal standard RT

RT UPPER LIMIT = -0.33 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-2                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-01                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007755.D        | 1         |           | 04/09/10      | vm040810      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 2.13           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 6.1           | 18.4           |           | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.4           | 0.743          |           | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116          | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185          | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 16.3          | 91.7           | E         | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 20.1          | 154            | E         | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 2.3           | 9.47           |           | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 4.7           | 18.5           |           | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 65.6          | 155            | E         | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05          | 0.156          | U         | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.9           | 3.16           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 2.2           | 8.60           |           | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 1.9           | 7.77           |           | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.3           | 1.03           |           | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 21.4          | 63.1           | E         | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.07          | 0.44           |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 25.1          | 99.4           | E         | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 1.1           | 5.22           |           | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.5           | 1.69           |           | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 19.6          | 106            | E         | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236          | U         | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.8           | 3.60           |           | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 2.3           | 7.48           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 24.6          | 132            | E         | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1.4           | 5.57           |           | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 11.6          | 43.8           |           | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-2                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-01                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007755.D        | 1         |           | 04/09/10      | vm040810      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|------|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08     | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05     | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07     | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 260           | 1760           | E         | 0.03 | 0.03     | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.2           | 0.691          |           | 0.1  | 0.09     | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.7           | 3.00           |           | 0.1  | 0.08     | ppbv    |
| 179601-23-1               | m/p-Xylene                | 2.2           | 9.64           |           | 0.2  | 0.11     | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.4           | 1.74           |           | 0.1  | 0.07     | ppbv    |
| 100-42-5                  | Styrene                   | 0.5           | 1.92           |           | 0.1  | 0.07     | ppbv    |
| 75-25-2                   | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05     | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1  | 0.09     | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.2           | 1.18           |           | 0.1  | 0.1      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.1           | 0.442          | J         | 0.1  | 0.08     | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08     | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06     | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07     | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04     | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08     | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09     | ppbv    |
| 110-54-3                  | Hexane                    | 2.8           | 10.0           |           | 0.1  | 0.04     | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |      |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.59          |                |           | 96%  | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |      |          |         |
| 74-97-5                   | Bromochloromethane        | 1405740       |                | 6.18      |      |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3437050       |                | 7.85      |      |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 2632600       |                | 13.27     |      |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-2DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-01DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007756.D        | 10        |           | 04/09/10      | vm040810      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.98           | U         | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 5.5           | 16.7           | D         | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6           | 1.24           | U         | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10           | U         | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79           | U         | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3           | 1.16           | U         | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85           | U         | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 11.5          | 64.6           | D         | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80           | U         | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 22.8          | 174            | D         | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31           | U         | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 2.1           | 8.61           | D         | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 4.1           | 16.3           | D         | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 66.5          | 157            | D         | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80           | U         | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 1.2           | 4.17           | D         | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.8           | 7.14           | D         | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 1.7           | 6.88           | D         | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75           | U         | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 13.1          | 38.6           | D         | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52           | U         | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 23.8          | 94.4           | D         | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 1.4           | 6.84           | D         | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24           | U         | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 26.6          | 145            | D         | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36           | U         | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87           | U         | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 2             | 6.39           | D         | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83           | U         | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 23            | 123            | D         | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77           | U         | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35           | U         | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1             | 4.10           | JD        | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 10.6          | 39.9           | D         | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18           | U         | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72           | U         | 1   | 0.6 | ppbv  |



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-2DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-01DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007756.D        | 10        |           | 04/09/10      | vm040810      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.8           | 4.36           | U         | 1   | 0.8      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.5           | 4.26           | U         | 1   | 0.5      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.7           | 5.38           | U         | 1   | 0.7      | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 907           | 6149           | ED        | 0.3 | 0.3      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.9           | 4.14           | U         | 1   | 0.9      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.8           | 3.48           | U         | 1   | 0.8      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 1.5           | 6.52           | JD        | 2   | 1.1      | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.7           | 3.04           | U         | 1   | 0.7      | ppbv    |
| 100-42-5                  | Styrene                   | 0.7           | 2.98           | U         | 1   | 0.7      | ppbv    |
| 75-25-2                   | Bromoform                 | 0.5           | 5.17           | U         | 1   | 0.5      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1             | 6.87           | U         | 1   | 1        | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 1             | 5.18           | U         | 1   | 1        | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.9           | 4.42           | U         | 1   | 0.9      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1             | 4.92           | U         | 1   | 1        | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.8           | 3.93           | U         | 1   | 0.8      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.8           | 4.81           | U         | 1   | 0.8      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.6           | 3.61           | U         | 1   | 0.6      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.7           | 4.21           | U         | 1   | 0.7      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.4           | 2.97           | U         | 1   | 0.4      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.8           | 8.53           | U         | 1   | 0.8      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.9           | 1.99           | U         | 1   | 0.9      | ppbv    |
| 110-54-3                  | Hexane                    | 2.6           | 9.16           | D         | 1   | 0.4      | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.33          |                |           | 93% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1423040       |                | 6.16      |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 4734660       |                | 7.85      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 4567190       |                | 13.25     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-2DL2                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-01DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007776.D        | 400       |           | 04/09/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |    |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 16            | 79.1           | U         | 40 | 16  | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 40            | 121            | U         | 40 | 40  | ppbv  |
| 74-87-3        | Chloromethane                  | 24            | 49.6           | U         | 40 | 24  | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 40            | 163            | U         | 40 | 40  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 28            | 71.6           | U         | 12 | 28  | ppbv  |
| 74-83-9        | Bromomethane                   | 12            | 46.6           | U         | 40 | 12  | ppbv  |
| 75-00-3        | Chloroethane                   | 28            | 73.9           | U         | 40 | 28  | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 16            | 89.9           | U         | 40 | 16  | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 16            | 111            | U         | 40 | 16  | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 16            | 122            | U         | 40 | 16  | ppbv  |
| 593-60-2       | Bromoethene                    | 12            | 52.5           | U         | 40 | 12  | ppbv  |
| 142-82-5       | Heptane                        | 24            | 98.4           | U         | 40 | 24  | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 20            | 79.3           | U         | 40 | 20  | ppbv  |
| 67-64-1        | Acetone                        | 40            | 95.0           | U         | 40 | 40  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 20            | 62.3           | U         | 40 | 20  | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 20            | 72.1           | U         | 40 | 20  | ppbv  |
| 75-09-2        | Methylene Chloride             | 20            | 69.5           | U         | 40 | 20  | ppbv  |
| 107-05-1       | Allyl Chloride                 | 20            | 62.6           | U         | 40 | 20  | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 24            | 95.2           | U         | 40 | 24  | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 16            | 64.8           | U         | 40 | 16  | ppbv  |
| 110-82-7       | Cyclohexane                    | 32            | 110            | U         | 40 | 32  | ppbv  |
| 78-93-3        | 2-Butanone                     | 40            | 117            | U         | 40 | 40  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 16            | 100            | U         | 16 | 16  | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 24            | 95.2           | U         | 40 | 24  | ppbv  |
| 67-66-3        | Chloroform                     | 8             | 39.1           | U         | 40 | 8   | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 36            | 129            | U         | 40 | 36  | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 16            | 87.3           | U         | 40 | 16  | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 32            | 94.4           | U         | 40 | 32  | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 16            | 74.7           | U         | 40 | 16  | ppbv  |
| 71-43-2        | Benzene                        | 16            | 51.1           | U         | 40 | 16  | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 28            | 113            | U         | 40 | 28  | ppbv  |
| 79-01-6        | Trichloroethene                | 16            | 86.0           | U         | 16 | 16  | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 24            | 110            | U         | 40 | 24  | ppbv  |
| 75-27-4        | Bromodichloromethane           | 20            | 133            | U         | 40 | 20  | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 24            | 98.4           | U         | 40 | 24  | ppbv  |
| 108-88-3       | Toluene                        | 20            | 75.4           | U         | 40 | 20  | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 28            | 127            | U         | 40 | 28  | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 24            | 108            | U         | 40 | 24  | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-2DL2                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-01DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007776.D        | 400       |           | 04/09/10      | vm040910      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 32            | 174            | U         | 40  | 32       | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 20            | 170            | U         | 40  | 20       | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 28            | 215            | U         | 40  | 28       | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 1320          | 8978           | D         | 12  | 12       | ppbv    |
| 108-90-7                  | Chlorobenzene             | 36            | 165            | U         | 40  | 36       | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 32            | 138            | U         | 40  | 32       | ppbv    |
| 179601-23-1               | m/p-Xylene                | 44            | 191            | U         | 80  | 44       | ppbv    |
| 95-47-6                   | o-Xylene                  | 28            | 121            | U         | 40  | 28       | ppbv    |
| 100-42-5                  | Styrene                   | 28            | 119            | U         | 40  | 28       | ppbv    |
| 75-25-2                   | Bromoform                 | 20            | 206            | U         | 40  | 20       | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 40            | 274            | U         | 40  | 40       | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 40            | 207            | U         | 40  | 40       | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 36            | 176            | U         | 40  | 36       | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 40            | 196            | U         | 40  | 40       | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 32            | 157            | U         | 40  | 32       | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 32            | 192            | U         | 40  | 32       | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 24            | 144            | U         | 40  | 24       | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 28            | 168            | U         | 40  | 28       | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 16            | 118            | U         | 40  | 16       | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 32            | 341            | U         | 40  | 32       | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 36            | 79.6           | U         | 40  | 36       | ppbv    |
| 110-54-3                  | Hexane                    | 16            | 56.4           | U         | 40  | 16       | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 7.82          |                |           | 78% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1450150       |                | 6.15      |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 2850330       |                | 7.83      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 2398900       |                | 13.22     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-6                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-02                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007757.D        | 1         |           | 04/09/10      | vm040810      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.5           | 2.47           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 2.4           | 7.37           |           | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 3.8           | 7.93           |           | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.1           | 0.427          |           | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.3           | 0.844          |           | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.3           | 1.52           |           | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.1           | 1.07           |           | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 1.1           | 4.63           |           | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198          | U         | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 70.9          | 168            | E         | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05          | 0.156          | U         | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.4           | 1.39           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.1           | 0.324          | J         | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.1           | 0.413          |           | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 2.5           | 7.46           |           | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.09          | 0.566          |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.5           | 2.44           |           | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 1             | 3.64           |           | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 1.2           | 6.76           |           | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.4           | 1.15           |           | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.3           | 1.45           |           | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 1.3           | 4.28           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.32          | 1.72           |           | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.5           | 2.13           |           | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 10.3          | 38.9           |           | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-6                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-02                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007757.D        | 1         |           | 04/09/10      | vm040810      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|------|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08     | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05     | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07     | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 4.23          | 28.7           |           | 0.03 | 0.03     | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09     | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.6           | 2.65           |           | 0.1  | 0.08     | ppbv    |
| 179601-23-1               | m/p-Xylene                | 2.5           | 10.8           |           | 0.2  | 0.11     | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.3           | 1.13           |           | 0.1  | 0.07     | ppbv    |
| 100-42-5                  | Styrene                   | 0.1           | 0.468          |           | 0.1  | 0.07     | ppbv    |
| 75-25-2                   | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05     | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1  | 0.09     | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.1           | 0.541          |           | 0.1  | 0.1      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.2           | 0.787          |           | 0.1  | 0.08     | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08     | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06     | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07     | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04     | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08     | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09     | ppbv    |
| 110-54-3                  | Hexane                    | 1             | 3.60           |           | 0.1  | 0.04     | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |      |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.09          |                |           | 91%  | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |      |          |         |
| 74-97-5                   | Bromochloromethane        | 1186960       |                | 6.17      |      |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3801260       |                | 7.85      |      |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 3480980       |                | 13.24     |      |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-6DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-02DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007758.D        | 10        |           | 04/09/10      | vm040810      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.5           | 2.47           | JD        | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 1.7           | 5.15           | D         | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 2.7           | 5.58           | D         | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10           | U         | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79           | U         | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3           | 1.16           | U         | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85           | U         | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.4           | 2.25           | U         | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80           | U         | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.4           | 3.07           | U         | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31           | U         | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 0.8           | 3.28           | JD        | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5           | 1.98           | U         | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 63.8          | 151            | D         | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80           | U         | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5           | 1.74           | U         | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.6           | 2.38           | U         | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4           | 1.62           | U         | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75           | U         | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1.8           | 5.31           | D         | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52           | U         | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.6           | 2.38           | U         | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.2           | 0.977          | U         | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24           | U         | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.9           | 4.91           | JD        | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36           | U         | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87           | U         | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 1             | 3.20           | JD        | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83           | U         | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.4           | 2.15           | U         | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77           | U         | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35           | U         | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6           | 2.46           | U         | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 7.8           | 29.4           | D         | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18           | U         | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72           | U         | 1   | 0.6 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-6DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-02DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007758.D        | 10        |           | 04/09/10      | vm040810      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.8           | 4.36           | U         | 1   | 0.8      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.5           | 4.26           | U         | 1   | 0.5      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.7           | 5.38           | U         | 1   | 0.7      | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 3.4           | 23.1           | D         | 0.3 | 0.3      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.9           | 4.14           | U         | 1   | 0.9      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.8           | 3.48           | U         | 1   | 0.8      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 1.8           | 7.82           | JD        | 2   | 1.1      | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.7           | 3.04           | U         | 1   | 0.7      | ppbv    |
| 100-42-5                  | Styrene                   | 0.7           | 2.98           | U         | 1   | 0.7      | ppbv    |
| 75-25-2                   | Bromoform                 | 0.5           | 5.17           | U         | 1   | 0.5      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1             | 6.87           | U         | 1   | 1        | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 1             | 5.18           | U         | 1   | 1        | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.9           | 4.42           | U         | 1   | 0.9      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1             | 4.92           | U         | 1   | 1        | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.8           | 3.93           | U         | 1   | 0.8      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.8           | 4.81           | U         | 1   | 0.8      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.6           | 3.61           | U         | 1   | 0.6      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.7           | 4.21           | U         | 1   | 0.7      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.4           | 2.97           | U         | 1   | 0.4      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.8           | 8.53           | U         | 1   | 0.8      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.9           | 1.99           | U         | 1   | 0.9      | ppbv    |
| 110-54-3                  | Hexane                    | 0.4           | 1.41           | U         | 1   | 0.4      | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.3           |                |           | 93% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1436840       |                | 6.16      |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 4841670       |                | 7.84      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 4603110       |                | 13.24     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | IA-01                                   | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-03                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007753.D        | 1         |           | 04/09/10      | VM040810      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.83           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 0.1           | 0.303          | U         | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.4           | 0.805          |           | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116          | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185          | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 19.8          | 111            | E         | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.1           | 0.537          | J         | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 1             | 4.22           |           | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198          | U         | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 33.6          | 79.7           | E         | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05          | 0.156          | U         | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.8           | 2.61           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.4           | 5.35           |           | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.04          | 0.162          | U         | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.1           | 0.379          |           | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 25            | 73.6           | E         | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.06          | 0.377          |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.02          | 0.098          | U         | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324          | U         | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.1           | 0.436          | J         | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236          | U         | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.2           | 0.841          |           | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 0.4           | 1.25           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.05          | 0.269          |           | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1.4           | 5.57           |           | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 4.8           | 18.1           |           | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | IA-01                                   | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-03                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007753.D        | 1         |           | 04/09/10      | VM040810      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|------|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08     | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05     | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07     | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 4.13          | 28.0           |           | 0.03 | 0.03     | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09     | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.5           | 2.00           |           | 0.1  | 0.08     | ppbv    |
| 179601-23-1               | m/p-Xylene                | 1.5           | 6.43           |           | 0.2  | 0.11     | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.3           | 1.30           |           | 0.1  | 0.07     | ppbv    |
| 100-42-5                  | Styrene                   | 0.5           | 2.13           |           | 0.1  | 0.07     | ppbv    |
| 75-25-2                   | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05     | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1  | 0.09     | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.2           | 0.934          |           | 0.1  | 0.1      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.08          | 0.393          | U         | 0.1  | 0.08     | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08     | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06     | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07     | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04     | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08     | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09     | ppbv    |
| 110-54-3                  | Hexane                    | 1             | 3.52           |           | 0.1  | 0.04     | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |      |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 8.63          |                |           | 86%  | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |      |          |         |
| 74-97-5                   | Bromochloromethane        | 1507440       |                | 6.16      |      |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3504350       |                | 7.85      |      |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 2252620       |                | 13.25     |      |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | IA-01DL                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-03DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007774.D        | 10        |           | 04/09/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.98           | U         | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 1             | 3.03           | U         | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6           | 1.24           | U         | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10           | U         | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79           | U         | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3           | 1.16           | U         | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85           | U         | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 7.9           | 44.4           | D         | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80           | U         | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.4           | 3.07           | U         | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31           | U         | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 0.6           | 2.46           | U         | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5           | 1.98           | U         | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 32.8          | 77.9           | D         | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80           | U         | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5           | 1.74           | U         | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 1             | 3.96           | JD        | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4           | 1.62           | U         | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75           | U         | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 26.3          | 77.6           | D         | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52           | U         | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.6           | 2.38           | U         | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.2           | 0.977          | U         | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24           | U         | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.4           | 2.18           | U         | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36           | U         | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87           | U         | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 0.4           | 1.28           | U         | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83           | U         | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.4           | 2.15           | U         | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77           | U         | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35           | U         | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1             | 4.10           | JD        | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 3.5           | 13.2           | D         | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18           | U         | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72           | U         | 1   | 0.6 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | IA-01DL                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-03DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007774.D        | 10        |           | 04/09/10      | vm040910      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.8           | 4.36           | U         | 1   | 0.8      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.5           | 4.26           | U         | 1   | 0.5      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.7           | 5.38           | U         | 1   | 0.7      | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 3             | 20.3           | D         | 0.3 | 0.3      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.9           | 4.14           | U         | 1   | 0.9      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.8           | 3.48           | U         | 1   | 0.8      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 1.1           | 4.78           | U         | 2   | 1.1      | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.7           | 3.04           | U         | 1   | 0.7      | ppbv    |
| 100-42-5                  | Styrene                   | 0.7           | 2.98           | U         | 1   | 0.7      | ppbv    |
| 75-25-2                   | Bromoform                 | 0.5           | 5.17           | U         | 1   | 0.5      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1             | 6.87           | U         | 1   | 1        | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 1             | 5.18           | U         | 1   | 1        | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.9           | 4.42           | U         | 1   | 0.9      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1             | 4.92           | U         | 1   | 1        | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.8           | 3.93           | U         | 1   | 0.8      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.8           | 4.81           | U         | 1   | 0.8      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.6           | 3.61           | U         | 1   | 0.6      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.7           | 4.21           | U         | 1   | 0.7      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.4           | 2.97           | U         | 1   | 0.4      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.8           | 8.53           | U         | 1   | 0.8      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.9           | 1.99           | U         | 1   | 0.9      | ppbv    |
| 110-54-3                  | Hexane                    | 0.4           | 1.41           | U         | 1   | 0.4      | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 7.87          |                |           | 79% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1601410       |                | 6.16      |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3103700       |                | 7.83      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 2570730       |                | 13.23     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-2                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-04                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007817.D        | 10        |           | 04/13/10      | VM041210      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.98           | J         | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 1.6           | 4.85           |           | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6           | 1.24           | U         | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10           | U         | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79           | U         | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3           | 1.16           | U         | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85           | U         | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.4           | 2.25           | U         | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80           | U         | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 3.8           | 29.1           |           | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31           | U         | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 1.6           | 6.56           |           | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 6.2           | 24.6           |           | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 57.7          | 137            |           | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80           | U         | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 2.8           | 9.73           |           | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 79.4          | 314            |           | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 44.1          | 178            |           | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75           | U         | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 2             | 5.90           |           | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52           | U         | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 1650          | 6530           | E         | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.9           | 4.40           | J         | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24           | U         | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 229           | 1249           | E         | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36           | U         | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87           | U         | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 2.5           | 7.99           |           | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83           | U         | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 1160          | 6258           | E         | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77           | U         | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35           | U         | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6           | 2.46           | U         | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 18.1          | 68.2           |           | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18           | U         | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72           | U         | 1   | 0.6 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-2                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-04                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007817.D        | 10        |           | 04/13/10      | VM041210      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.8           | 4.36           | U         | 1   | 0.8      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.5           | 4.26           | U         | 1   | 0.5      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.7           | 5.38           | U         | 1   | 0.7      | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 3520          | 23837          | E         | 0.3 | 0.3      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.9           | 4.14           | U         | 1   | 0.9      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 1.1           | 4.78           |           | 1   | 0.8      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 4.1           | 17.8           |           | 2   | 1.1      | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.7           | 3.04           | U         | 1   | 0.7      | ppbv    |
| 100-42-5                  | Styrene                   | 0.7           | 2.98           | U         | 1   | 0.7      | ppbv    |
| 75-25-2                   | Bromoform                 | 0.5           | 5.17           | U         | 1   | 0.5      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1             | 6.87           | U         | 1   | 1        | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 1             | 5.18           | U         | 1   | 1        | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.9           | 4.42           | U         | 1   | 0.9      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1             | 4.92           | U         | 1   | 1        | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.8           | 3.93           | U         | 1   | 0.8      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.8           | 4.81           | U         | 1   | 0.8      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.6           | 3.61           | U         | 1   | 0.6      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.7           | 4.21           | U         | 1   | 0.7      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.4           | 2.97           | U         | 1   | 0.4      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.8           | 8.53           | U         | 1   | 0.8      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.9           | 1.99           | U         | 1   | 0.9      | ppbv    |
| 110-54-3                  | Hexane                    | 1.4           | 4.93           |           | 1   | 0.4      | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.33          |                |           | 93% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1491980       |                | 6.11      |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3642590       |                | 7.78      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 3579770       |                | 13.2      |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-2DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-04DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007792.D        | 440       |           | 04/10/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |      |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 18            | 89.0           | U         | 44   | 18  | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 44            | 133            | U         | 44   | 44  | ppbv  |
| 74-87-3        | Chloromethane                  | 26            | 53.7           | U         | 44   | 26  | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 44            | 180            | U         | 44   | 44  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 31            | 79.2           | U         | 13.2 | 31  | ppbv  |
| 74-83-9        | Bromomethane                   | 13            | 50.5           | U         | 44   | 13  | ppbv  |
| 75-00-3        | Chloroethane                   | 31            | 81.8           | U         | 44   | 31  | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 18            | 101            | U         | 44   | 18  | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 18            | 125            | U         | 44   | 18  | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 18            | 137            | U         | 44   | 18  | ppbv  |
| 593-60-2       | Bromoethene                    | 13            | 56.8           | U         | 44   | 13  | ppbv  |
| 142-82-5       | Heptane                        | 26            | 106            | U         | 44   | 26  | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 22            | 87.2           | U         | 44   | 22  | ppbv  |
| 67-64-1        | Acetone                        | 44            | 104            | U         | 44   | 44  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 22            | 68.5           | U         | 44   | 22  | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 22            | 79.3           | U         | 44   | 22  | ppbv  |
| 75-09-2        | Methylene Chloride             | 22            | 76.4           | U         | 44   | 22  | ppbv  |
| 107-05-1       | Allyl Chloride                 | 22            | 68.9           | U         | 44   | 22  | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 44            | 174            | JD        | 44   | 26  | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 18            | 72.9           | U         | 44   | 18  | ppbv  |
| 110-82-7       | Cyclohexane                    | 35            | 120            | U         | 44   | 35  | ppbv  |
| 78-93-3        | 2-Butanone                     | 44            | 129            | U         | 44   | 44  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 18            | 113            | U         | 17.6 | 18  | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 3520          | 13938          | D         | 44   | 26  | ppbv  |
| 67-66-3        | Chloroform                     | 8.8           | 43.0           | U         | 44   | 8.8 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 40            | 144            | U         | 44   | 40  | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 180           | 984            | D         | 44   | 18  | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 35            | 103            | U         | 44   | 35  | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 18            | 84.1           | U         | 44   | 18  | ppbv  |
| 71-43-2        | Benzene                        | 18            | 57.5           | U         | 44   | 18  | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 31            | 125            | U         | 44   | 31  | ppbv  |
| 79-01-6        | Trichloroethene                | 1290          | 6952           | D         | 17.6 | 18  | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 26            | 120            | U         | 44   | 26  | ppbv  |
| 75-27-4        | Bromodichloromethane           | 22            | 147            | U         | 44   | 22  | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 26            | 106            | U         | 44   | 26  | ppbv  |
| 108-88-3       | Toluene                        | 22            | 82.9           | U         | 44   | 22  | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 31            | 140            | U         | 44   | 31  | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 26            | 118            | U         | 44   | 26  | ppbv  |



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-2DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-04DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007792.D        | 440       |           | 04/10/10      | vm040910      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|------|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 35            | 190            | U         | 44   | 35       | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 22            | 187            | U         | 44   | 22       | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 31            | 238            | U         | 44   | 31       | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 23700         | 160643         | ED        | 13.2 | 13       | ppbv    |
| 108-90-7                  | Chlorobenzene             | 40            | 184            | U         | 44   | 40       | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 35            | 152            | U         | 44   | 35       | ppbv    |
| 179601-23-1               | m/p-Xylene                | 48            | 208            | U         | 88   | 48       | ppbv    |
| 95-47-6                   | o-Xylene                  | 31            | 134            | U         | 44   | 31       | ppbv    |
| 100-42-5                  | Styrene                   | 31            | 131            | U         | 44   | 31       | ppbv    |
| 75-25-2                   | Bromoform                 | 22            | 227            | U         | 44   | 22       | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 44            | 302            | U         | 44   | 44       | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 44            | 227            | U         | 44   | 44       | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 40            | 196            | U         | 44   | 40       | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 44            | 216            | U         | 44   | 44       | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 35            | 172            | U         | 44   | 35       | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 35            | 210            | U         | 44   | 35       | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 26            | 156            | U         | 44   | 26       | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 31            | 186            | U         | 44   | 31       | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 18            | 133            | U         | 44   | 18       | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 35            | 373            | U         | 44   | 35       | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 40            | 88.5           | U         | 44   | 40       | ppbv    |
| 110-54-3                  | Hexane                    | 18            | 63.4           | U         | 44   | 18       | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |      |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 8.03          |                |           | 80%  | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |      |          |         |
| 74-97-5                   | Bromochloromethane        | 1480120       |                | 6.12      |      |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3516010       |                | 7.78      |      |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 2797020       |                | 13.18     |      |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-2DL2                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-04DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400      Units:    mL                   |                 |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007812.D        | 4400      |           | 04/13/10      | VM041210      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 180           | 890            | U         | 440 | 180 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 440           | 1333           | U         | 440 | 440 | ppbv  |
| 74-87-3        | Chloromethane                  | 260           | 536            | U         | 440 | 260 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 440           | 1801           | U         | 440 | 440 | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 310           | 792            | U         | 132 | 310 | ppbv  |
| 74-83-9        | Bromomethane                   | 130           | 504            | U         | 440 | 130 | ppbv  |
| 75-00-3        | Chloroethane                   | 310           | 818            | U         | 440 | 310 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 180           | 1011           | U         | 440 | 180 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 180           | 1258           | U         | 440 | 180 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 180           | 1379           | U         | 440 | 180 | ppbv  |
| 593-60-2       | Bromoethene                    | 130           | 568            | U         | 440 | 130 | ppbv  |
| 142-82-5       | Heptane                        | 260           | 1065           | U         | 440 | 260 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 220           | 872            | U         | 440 | 220 | ppbv  |
| 67-64-1        | Acetone                        | 440           | 1045           | U         | 440 | 440 | ppbv  |
| 75-15-0        | Carbon Disulfide               | 220           | 685            | U         | 440 | 220 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 220           | 793            | U         | 440 | 220 | ppbv  |
| 75-09-2        | Methylene Chloride             | 220           | 764            | U         | 440 | 220 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 220           | 688            | U         | 440 | 220 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 260           | 1030           | U         | 440 | 260 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 180           | 728            | U         | 440 | 180 | ppbv  |
| 110-82-7       | Cyclohexane                    | 350           | 1204           | U         | 440 | 350 | ppbv  |
| 78-93-3        | 2-Butanone                     | 440           | 1297           | U         | 440 | 440 | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 180           | 1132           | U         | 176 | 180 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 2950          | 11688          | D         | 440 | 260 | ppbv  |
| 67-66-3        | Chloroform                     | 88            | 429            | U         | 440 | 88  | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 400           | 1441           | U         | 440 | 400 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 180           | 982            | U         | 440 | 180 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 350           | 1032           | U         | 440 | 350 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 180           | 840            | U         | 440 | 180 | ppbv  |
| 71-43-2        | Benzene                        | 180           | 575            | U         | 440 | 180 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 310           | 1254           | U         | 440 | 310 | ppbv  |
| 79-01-6        | Trichloroethene                | 1100          | 5911           | D         | 176 | 180 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 260           | 1201           | U         | 440 | 260 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 220           | 1473           | U         | 440 | 220 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 260           | 1065           | U         | 440 | 260 | ppbv  |
| 108-88-3       | Toluene                        | 220           | 829            | U         | 440 | 220 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 310           | 1407           | U         | 440 | 310 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 260           | 1180           | U         | 440 | 260 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-2DL2                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-04DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007812.D        | 4400      |           | 04/13/10      | VM041210      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 350           | 1909           | U         | 440 | 350      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 220           | 1874           | U         | 440 | 220      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 310           | 2382           | U         | 440 | 310      | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 19500         | 132477         | D         | 132 | 130      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 400           | 1842           | U         | 440 | 400      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 350           | 1520           | U         | 440 | 350      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 480           | 2084           | U         | 880 | 480      | ppbv    |
| 95-47-6                   | o-Xylene                  | 310           | 1346           | U         | 440 | 310      | ppbv    |
| 100-42-5                  | Styrene                   | 310           | 1319           | U         | 440 | 310      | ppbv    |
| 75-25-2                   | Bromoform                 | 220           | 2274           | U         | 440 | 220      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 440           | 3021           | U         | 440 | 440      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 440           | 2278           | U         | 440 | 440      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 400           | 1966           | U         | 440 | 400      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 440           | 2163           | U         | 440 | 440      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 350           | 1720           | U         | 440 | 350      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 350           | 2104           | U         | 440 | 350      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 260           | 1563           | U         | 440 | 260      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 310           | 1863           | U         | 440 | 310      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 180           | 1336           | U         | 440 | 180      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 350           | 3733           | U         | 440 | 350      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 400           | 884            | U         | 440 | 400      | ppbv    |
| 110-54-3                  | Hexane                    | 180           | 634            | U         | 440 | 180      | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.46          |                |           | 95% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1609270       |                | 6.1       |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 4605530       |                | 7.77      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 4454050       |                | 13.16     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-1                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-05                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007779.D        | 1         |           | 04/09/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.73           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 3             | 9.03           |           | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.1           | 0.268          |           | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116          | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185          | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.2           | 1.18           |           | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.5           | 3.99           |           | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 6.6           | 27.2           |           | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.2           | 0.793          |           | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 92.3          | 219            | E         | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 6.9           | 21.4           |           | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 1.8           | 6.36           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.04          | 0.162          | U         | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 1.7           | 5.99           |           | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 10.1          | 29.9           |           | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.18          | 1.13           |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.1           | 0.476          |           | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.02          | 0.098          | U         | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324          | U         | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.3           | 1.36           |           | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 10.1          | 29.8           |           | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 3.2           | 15.0           |           | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 12.9          | 41.1           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.32          | 1.72           |           | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.06          | 0.246          | U         | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 45.4          | 171            | E         | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-1                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-05                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007779.D        | 1         |           | 04/09/10      | vm040910      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|------|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08     | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05     | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07     | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 0.9           | 6.10           |           | 0.03 | 0.03     | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09     | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 2.4           | 10.5           |           | 0.1  | 0.08     | ppbv    |
| 179601-23-1               | m/p-Xylene                | 7.8           | 33.8           |           | 0.2  | 0.11     | ppbv    |
| 95-47-6                   | o-Xylene                  | 1.7           | 7.30           |           | 0.1  | 0.07     | ppbv    |
| 100-42-5                  | Styrene                   | 0.9           | 3.83           |           | 0.1  | 0.07     | ppbv    |
| 75-25-2                   | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05     | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.1           | 0.59           |           | 0.1  | 0.09     | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.5           | 2.21           |           | 0.1  | 0.1      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.4           | 1.97           |           | 0.1  | 0.08     | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08     | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06     | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07     | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04     | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08     | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09     | ppbv    |
| 110-54-3                  | Hexane                    | 15.9          | 56.1           | E         | 0.1  | 0.04     | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |      |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.19          |                |           | 92%  | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |      |          |         |
| 74-97-5                   | Bromochloromethane        | 1244970       |                | 6.15      |      |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 2678170       |                | 7.83      |      |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 2571120       |                | 13.22     |      |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-1DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-05DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007809.D        | 10        |           | 04/12/10      | VM041210      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.98           | U         | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 2.4           | 7.28           | D         | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6           | 1.24           | U         | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10           | U         | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79           | U         | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3           | 1.16           | U         | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85           | U         | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.4           | 2.25           | U         | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80           | U         | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.4           | 3.07           | U         | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31           | U         | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 7.3           | 29.9           | D         | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5           | 1.98           | U         | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 116           | 275            | D         | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 5.9           | 18.4           | D         | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80           | U         | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 2.4           | 8.34           | D         | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.6           | 2.38           | U         | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4           | 1.62           | U         | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 1.9           | 6.54           | D         | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 7.6           | 22.4           | D         | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52           | U         | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.6           | 2.38           | U         | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.2           | 0.977          | U         | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24           | U         | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.4           | 2.18           | U         | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 8.9           | 26.2           | D         | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 3.2           | 14.9           | D         | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 11.4          | 36.4           | D         | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83           | U         | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.4           | 2.15           | U         | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77           | U         | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35           | U         | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6           | 2.46           | U         | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 40.4          | 152            | D         | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18           | U         | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72           | U         | 1   | 0.6 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-1DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-05DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007809.D        | 10        |           | 04/12/10      | VM041210      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.8           | 4.36           | U         | 1   | 0.8      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.5           | 4.26           | U         | 1   | 0.5      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.7           | 5.38           | U         | 1   | 0.7      | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 0.6           | 4.07           | D         | 0.3 | 0.3      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.9           | 4.14           | U         | 1   | 0.9      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 2             | 8.69           | D         | 1   | 0.8      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 6.5           | 28.2           | D         | 2   | 1.1      | ppbv    |
| 95-47-6                   | o-Xylene                  | 1.3           | 5.65           | D         | 1   | 0.7      | ppbv    |
| 100-42-5                  | Styrene                   | 0.7           | 2.98           | U         | 1   | 0.7      | ppbv    |
| 75-25-2                   | Bromoform                 | 0.5           | 5.17           | U         | 1   | 0.5      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1             | 6.87           | U         | 1   | 1        | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 1             | 5.18           | U         | 1   | 1        | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.9           | 4.42           | U         | 1   | 0.9      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1             | 4.92           | U         | 1   | 1        | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.8           | 3.93           | U         | 1   | 0.8      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.8           | 4.81           | U         | 1   | 0.8      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.6           | 3.61           | U         | 1   | 0.6      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.7           | 4.21           | U         | 1   | 0.7      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.4           | 2.97           | U         | 1   | 0.4      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.8           | 8.53           | U         | 1   | 0.8      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.9           | 1.99           | U         | 1   | 0.9      | ppbv    |
| 110-54-3                  | Hexane                    | 15.4          | 54.3           | D         | 1   | 0.4      | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.6           |                |           | 96% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1441230       |                | 6.1       |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3726870       |                | 7.77      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 3455850       |                | 13.16     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-1                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-06                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007764.D        | 1         |           | 04/09/10      | vm040810      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.6           | 2.77           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 0.1           | 0.303          | U         | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.4           | 0.743          |           | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116          | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185          | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 29.5          | 165            | E         | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.1           | 0.766          | J         | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 1.4           | 5.74           |           | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198          | U         | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 38.5          | 91.3           | E         | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05          | 0.156          | U         | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 4.8           | 16.7           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.8           | 6.94           |           | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.04          | 0.162          | U         | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.1           | 0.482          |           | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 20.5          | 60.5           | E         | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.07          | 0.44           |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.02          | 0.098          | U         | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324          | U         | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.2           | 0.873          |           | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236          | U         | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.1           | 0.374          | J         | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 0.3           | 1.02           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.08          | 0.43           |           | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1.4           | 5.82           |           | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 6.3           | 23.6           |           | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-1                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-06                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007764.D        | 1         |           | 04/09/10      | vm040810      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|------|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08     | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05     | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07     | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 7.02          | 47.6           |           | 0.03 | 0.03     | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09     | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.6           | 2.48           |           | 0.1  | 0.08     | ppbv    |
| 179601-23-1               | m/p-Xylene                | 1.9           | 8.30           |           | 0.2  | 0.11     | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.4           | 1.65           |           | 0.1  | 0.07     | ppbv    |
| 100-42-5                  | Styrene                   | 0.7           | 2.77           |           | 0.1  | 0.07     | ppbv    |
| 75-25-2                   | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05     | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1  | 0.09     | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.3           | 1.28           |           | 0.1  | 0.1      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.08          | 0.393          | U         | 0.1  | 0.08     | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08     | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06     | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07     | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04     | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08     | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09     | ppbv    |
| 110-54-3                  | Hexane                    | 1.5           | 5.22           |           | 0.1  | 0.04     | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |      |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 10.3          |                |           | 103% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |      |          |         |
| 74-97-5                   | Bromochloromethane        | 1278070       |                | 6.16      |      |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 4152800       |                | 7.84      |      |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 3437890       |                | 13.24     |      |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-1DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-06DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007780.D        | 10        |           | 04/09/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.98           | U         | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 1             | 3.03           | U         | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6           | 1.24           | U         | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10           | U         | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79           | U         | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3           | 1.16           | U         | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85           | U         | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 15.2          | 85.4           | D         | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80           | U         | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.4           | 3.07           | U         | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31           | U         | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 0.6           | 2.46           | U         | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5           | 1.98           | U         | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 42.8          | 101            | D         | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80           | U         | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 4.4           | 15.3           | D         | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.1           | 4.36           | D         | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4           | 1.62           | U         | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75           | U         | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 18            | 53.1           | D         | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52           | U         | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.6           | 2.38           | U         | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.2           | 0.977          | U         | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24           | U         | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.4           | 2.18           | U         | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36           | U         | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87           | U         | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 0.4           | 1.28           | U         | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83           | U         | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.4           | 2.15           | U         | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77           | U         | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35           | U         | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1.2           | 4.92           | D         | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 5.5           | 20.7           | D         | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18           | U         | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72           | U         | 1   | 0.6 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-1DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-06DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007780.D        | 10        |           | 04/09/10      | vm040910      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|-------------|---------------------------|---------------|----------------|-----------|-----|-----|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 0.8           | 4.36           | U         | 1   | 0.8 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 0.5           | 4.26           | U         | 1   | 0.5 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 0.7           | 5.38           | U         | 1   | 0.7 | ppbv  |
| 127-18-4    | Tetrachloroethane         | 5             | 33.9           | D         | 0.3 | 0.3 | ppbv  |
| 108-90-7    | Chlorobenzene             | 0.9           | 4.14           | U         | 1   | 0.9 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 0.8           | 3.48           | U         | 1   | 0.8 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 1.3           | 5.65           | JD        | 2   | 1.1 | ppbv  |
| 95-47-6     | o-Xylene                  | 0.7           | 3.04           | U         | 1   | 0.7 | ppbv  |
| 100-42-5    | Styrene                   | 0.7           | 2.98           | U         | 1   | 0.7 | ppbv  |
| 75-25-2     | Bromoform                 | 0.5           | 5.17           | U         | 1   | 0.5 | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 1             | 6.87           | U         | 1   | 1   | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 1             | 5.18           | U         | 1   | 1   | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.9           | 4.42           | U         | 1   | 0.9 | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 1             | 4.92           | U         | 1   | 1   | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 0.8           | 3.93           | U         | 1   | 0.8 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.8           | 4.81           | U         | 1   | 0.8 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.6           | 3.61           | U         | 1   | 0.6 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.7           | 4.21           | U         | 1   | 0.7 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.4           | 2.97           | U         | 1   | 0.4 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.8           | 8.53           | U         | 1   | 0.8 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 0.9           | 1.99           | U         | 1   | 0.9 | ppbv  |
| 110-54-3    | Hexane                    | 1.3           | 4.58           | D         | 1   | 0.4 | ppbv  |

### SURROGATES

|          |                         |      |  |     |          |         |
|----------|-------------------------|------|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.27 |  | 93% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1473390 | 6.15  |
| 540-36-3  | 1,4-Difluorobenzene | 4579700 | 7.82  |
| 3114-55-4 | Chlorobenzene-d5    | 4240820 | 13.21 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-3                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-07                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007781.D        | 1         |           | 04/09/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.5           | 2.28           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 3.5           | 10.6           |           | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.06          | 0.124          | U         | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116          | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185          | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.3           | 1.80           |           | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.2           | 1.15           |           | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 1             | 4.22           |           | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198          | U         | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 44.5          | 105            | E         | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05          | 0.156          | U         | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5           | 1.56           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.04          | 0.162          | U         | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.1           | 0.379          |           | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1.3           | 3.95           |           | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.05          | 0.315          |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 1.2           | 6.06           |           | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324          | U         | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.3           | 1.75           |           | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236          | U         | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.04          | 0.187          | U         | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 1.4           | 4.47           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.22          | 1.18           |           | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.06          | 0.246          | U         | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 11.5          | 43.3           |           | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-3                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-07                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007781.D        | 1         |           | 04/09/10      | vm040910      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|------|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08     | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05     | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07     | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 1.48          | 10.0           |           | 0.03 | 0.03     | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09     | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.7           | 3.13           |           | 0.1  | 0.08     | ppbv    |
| 179601-23-1               | m/p-Xylene                | 2.8           | 12.0           |           | 0.2  | 0.11     | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.3           | 1.13           |           | 0.1  | 0.07     | ppbv    |
| 100-42-5                  | Styrene                   | 0.2           | 0.681          |           | 0.1  | 0.07     | ppbv    |
| 75-25-2                   | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05     | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1  | 0.09     | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.1           | 0.639          |           | 0.1  | 0.1      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.2           | 0.934          |           | 0.1  | 0.08     | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08     | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06     | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07     | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04     | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08     | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09     | ppbv    |
| 110-54-3                  | Hexane                    | 0.04          | 0.141          | U         | 0.1  | 0.04     | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |      |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.9           |                |           | 99%  | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |      |          |         |
| 74-97-5                   | Bromochloromethane        | 1371750       |                | 6.14      |      |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 4046880       |                | 7.81      |      |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 3373340       |                | 13.21     |      |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-3DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-07DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007782.D        | 10        |           | 04/10/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.98           | U         | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 1.8           | 5.46           | D         | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6           | 1.24           | U         | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10           | U         | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79           | U         | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3           | 1.16           | U         | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85           | U         | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.4           | 2.25           | U         | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80           | U         | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.4           | 3.07           | U         | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31           | U         | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 1.1           | 4.51           | D         | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5           | 1.98           | U         | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 40.2          | 95.5           | D         | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80           | U         | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5           | 1.74           | U         | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.6           | 2.38           | U         | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4           | 1.62           | U         | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75           | U         | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1.1           | 3.24           | D         | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52           | U         | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.6           | 2.38           | U         | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 1.1           | 5.37           | D         | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24           | U         | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.4           | 2.18           | U         | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36           | U         | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87           | U         | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 1.2           | 3.83           | D         | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83           | U         | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.4           | 2.15           | U         | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77           | U         | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35           | U         | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6           | 2.46           | U         | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 10.6          | 39.9           | D         | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18           | U         | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72           | U         | 1   | 0.6 | ppbv  |



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-3DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-07DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007782.D        | 10        |           | 04/10/10      | vm040910      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.8           | 4.36           | U         | 1   | 0.8      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.5           | 4.26           | U         | 1   | 0.5      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.7           | 5.38           | U         | 1   | 0.7      | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 1.3           | 8.82           | D         | 0.3 | 0.3      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.9           | 4.14           | U         | 1   | 0.9      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.8           | 3.48           | U         | 1   | 0.8      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 2             | 8.69           | JD        | 2   | 1.1      | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.7           | 3.04           | U         | 1   | 0.7      | ppbv    |
| 100-42-5                  | Styrene                   | 0.7           | 2.98           | U         | 1   | 0.7      | ppbv    |
| 75-25-2                   | Bromoform                 | 0.5           | 5.17           | U         | 1   | 0.5      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1             | 6.87           | U         | 1   | 1        | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 1             | 5.18           | U         | 1   | 1        | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.9           | 4.42           | U         | 1   | 0.9      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1             | 4.92           | U         | 1   | 1        | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.8           | 3.93           | U         | 1   | 0.8      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.8           | 4.81           | U         | 1   | 0.8      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.6           | 3.61           | U         | 1   | 0.6      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.7           | 4.21           | U         | 1   | 0.7      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.4           | 2.97           | U         | 1   | 0.4      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.8           | 8.53           | U         | 1   | 0.8      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.9           | 1.99           | U         | 1   | 0.9      | ppbv    |
| 110-54-3                  | Hexane                    | 0.4           | 1.41           | U         | 1   | 0.4      | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.32          |                |           | 93% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1508310       |                | 6.14      |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 4571170       |                | 7.81      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 4412410       |                | 13.21     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-4                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-08                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007783.D        | 1         |           | 04/10/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.5           | 2.28           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 3.6           | 11.0           |           | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.1           | 0.207          | J         | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116          | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185          | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.6           | 3.15           |           | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 5.9           | 45.4           |           | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 0.9           | 3.81           |           | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198          | U         | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 36.7          | 87.2           | E         | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.3           | 1.03           |           | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.8           | 2.61           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.6           | 2.22           |           | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 1             | 3.84           |           | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.2           | 0.792          |           | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1.4           | 4.04           |           | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.04          | 0.252          | U         | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 6             | 23.9           |           | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.4           | 1.95           |           | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324          | U         | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 62.6          | 341            | E         | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236          | U         | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.04          | 0.187          | U         | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 1.5           | 4.89           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 42.9          | 230            | E         | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.06          | 0.246          | U         | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 9.6           | 36.3           |           | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-4                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-08                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007783.D        | 1         |           | 04/10/10      | vm040910      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|------|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08     | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05     | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07     | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 204           | 1383           | E         | 0.03 | 0.03     | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09     | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 1.1           | 4.91           |           | 0.1  | 0.08     | ppbv    |
| 179601-23-1               | m/p-Xylene                | 3.8           | 16.5           |           | 0.2  | 0.11     | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.5           | 2.22           |           | 0.1  | 0.07     | ppbv    |
| 100-42-5                  | Styrene                   | 0.3           | 1.32           |           | 0.1  | 0.07     | ppbv    |
| 75-25-2                   | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05     | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1  | 0.09     | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.3           | 1.48           |           | 0.1  | 0.1      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.3           | 1.52           |           | 0.1  | 0.08     | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08     | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06     | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07     | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04     | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08     | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09     | ppbv    |
| 110-54-3                  | Hexane                    | 0.04          | 0.141          | U         | 0.1  | 0.04     | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |      |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.74          |                |           | 97%  | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |      |          |         |
| 74-97-5                   | Bromochloromethane        | 1363580       |                | 6.14      |      |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 4269560       |                | 7.82      |      |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 3528410       |                | 13.23     |      |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-4DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-08DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007784.D        | 10        |           | 04/10/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.98           | U         | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 1.5           | 4.55           | D         | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6           | 1.24           | U         | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10           | U         | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79           | U         | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3           | 1.16           | U         | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85           | U         | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.4           | 2.25           | U         | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80           | U         | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 5             | 38.3           | D         | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31           | U         | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 1             | 4.10           | JD        | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5           | 1.98           | U         | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 26.7          | 63.4           | D         | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80           | U         | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5           | 1.74           | U         | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.6           | 2.38           | U         | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4           | 1.62           | U         | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75           | U         | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1.3           | 3.83           | D         | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52           | U         | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 4.5           | 17.8           | D         | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.2           | 0.977          | U         | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24           | U         | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 59.9          | 326            | D         | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36           | U         | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87           | U         | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 1.2           | 3.83           | D         | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83           | U         | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 44.7          | 240            | D         | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77           | U         | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35           | U         | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6           | 2.46           | U         | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 8.6           | 32.4           | D         | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18           | U         | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72           | U         | 1   | 0.6 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-4DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-08DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007784.D        | 10        |           | 04/10/10      | vm040910      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.8           | 4.36           | U         | 1   | 0.8      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.5           | 4.26           | U         | 1   | 0.5      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.7           | 5.38           | U         | 1   | 0.7      | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 613           | 4156           | ED        | 0.3 | 0.3      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.9           | 4.14           | U         | 1   | 0.9      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.8           | 3.48           | U         | 1   | 0.8      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 2.7           | 11.7           | D         | 2   | 1.1      | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.7           | 3.04           | U         | 1   | 0.7      | ppbv    |
| 100-42-5                  | Styrene                   | 0.7           | 2.98           | U         | 1   | 0.7      | ppbv    |
| 75-25-2                   | Bromoform                 | 0.5           | 5.17           | U         | 1   | 0.5      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1             | 6.87           | U         | 1   | 1        | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 1             | 5.18           | U         | 1   | 1        | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.9           | 4.42           | U         | 1   | 0.9      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1             | 4.92           | U         | 1   | 1        | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.8           | 3.93           | U         | 1   | 0.8      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.8           | 4.81           | U         | 1   | 0.8      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.6           | 3.61           | U         | 1   | 0.6      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.7           | 4.21           | U         | 1   | 0.7      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.4           | 2.97           | U         | 1   | 0.4      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.8           | 8.53           | U         | 1   | 0.8      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.9           | 1.99           | U         | 1   | 0.9      | ppbv    |
| 110-54-3                  | Hexane                    | 0.4           | 1.41           | U         | 1   | 0.4      | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.27          |                |           | 93% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1583010       |                | 6.14      |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 4691030       |                | 7.81      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 4570210       |                | 13.21     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-4DL2                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-08DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007807.D        | 100       |           | 04/12/10      | VM041210      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |    |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 4             | 19.8           | U         | 10 | 4   | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 10            | 30.3           | U         | 10 | 10  | ppbv  |
| 74-87-3        | Chloromethane                  | 6             | 12.4           | U         | 10 | 6   | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 10            | 40.9           | U         | 10 | 10  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 7             | 17.9           | U         | 3  | 7   | ppbv  |
| 74-83-9        | Bromomethane                   | 3             | 11.6           | U         | 10 | 3   | ppbv  |
| 75-00-3        | Chloroethane                   | 7             | 18.5           | U         | 10 | 7   | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 4             | 22.5           | U         | 10 | 4   | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 4             | 28.0           | U         | 10 | 4   | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 4             | 30.7           | U         | 10 | 4   | ppbv  |
| 593-60-2       | Bromoethene                    | 3             | 13.1           | U         | 10 | 3   | ppbv  |
| 142-82-5       | Heptane                        | 6             | 24.6           | U         | 10 | 6   | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 5             | 19.8           | U         | 10 | 5   | ppbv  |
| 67-64-1        | Acetone                        | 54            | 128            | D         | 10 | 10  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 5             | 15.6           | U         | 10 | 5   | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 5             | 18.0           | U         | 10 | 5   | ppbv  |
| 75-09-2        | Methylene Chloride             | 5             | 17.4           | U         | 10 | 5   | ppbv  |
| 107-05-1       | Allyl Chloride                 | 5             | 15.6           | U         | 10 | 5   | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 6             | 23.8           | U         | 10 | 6   | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 4             | 16.2           | U         | 10 | 4   | ppbv  |
| 110-82-7       | Cyclohexane                    | 8             | 27.5           | U         | 10 | 8   | ppbv  |
| 78-93-3        | 2-Butanone                     | 10            | 29.5           | U         | 10 | 10  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 4             | 25.2           | U         | 4  | 4   | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 6             | 23.8           | U         | 10 | 6   | ppbv  |
| 67-66-3        | Chloroform                     | 2             | 9.77           | U         | 10 | 2   | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 9             | 32.4           | U         | 10 | 9   | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 31            | 169            | D         | 10 | 4   | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 8             | 23.6           | U         | 10 | 8   | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 4             | 18.7           | U         | 10 | 4   | ppbv  |
| 71-43-2        | Benzene                        | 4             | 12.8           | U         | 10 | 4   | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 7             | 28.3           | U         | 10 | 7   | ppbv  |
| 79-01-6        | Trichloroethene                | 32            | 171            | D         | 4  | 4   | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 6             | 27.7           | U         | 10 | 6   | ppbv  |
| 75-27-4        | Bromodichloromethane           | 5             | 33.5           | U         | 10 | 5   | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 6             | 24.6           | U         | 10 | 6   | ppbv  |
| 108-88-3       | Toluene                        | 5             | 18.8           | U         | 10 | 5   | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 7             | 31.8           | U         | 10 | 7   | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 6             | 27.2           | U         | 10 | 6   | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-4DL2                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-08DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007807.D        | 100       |           | 04/12/10      | VM041210      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 8             | 43.6           | U         | 10  | 8        | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 5             | 42.6           | U         | 10  | 5        | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 7             | 53.8           | U         | 10  | 7        | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 432           | 2929           | D         | 3   | 3        | ppbv    |
| 108-90-7                  | Chlorobenzene             | 9             | 41.4           | U         | 10  | 9        | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 8             | 34.7           | U         | 10  | 8        | ppbv    |
| 179601-23-1               | m/p-Xylene                | 11            | 47.8           | U         | 20  | 11       | ppbv    |
| 95-47-6                   | o-Xylene                  | 7             | 30.4           | U         | 10  | 7        | ppbv    |
| 100-42-5                  | Styrene                   | 7             | 29.8           | U         | 10  | 7        | ppbv    |
| 75-25-2                   | Bromoform                 | 5             | 51.7           | U         | 10  | 5        | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 10            | 68.7           | U         | 10  | 10       | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 10            | 51.8           | U         | 10  | 10       | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 9             | 44.2           | U         | 10  | 9        | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 10            | 49.2           | U         | 10  | 10       | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 8             | 39.3           | U         | 10  | 8        | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 8             | 48.1           | U         | 10  | 8        | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 6             | 36.1           | U         | 10  | 6        | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 7             | 42.1           | U         | 10  | 7        | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 4             | 29.7           | U         | 10  | 4        | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 8             | 85.3           | U         | 10  | 8        | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 9             | 19.9           | U         | 10  | 9        | ppbv    |
| 110-54-3                  | Hexane                    | 4             | 14.1           | U         | 10  | 4        | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.05          |                |           | 91% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1396820       |                | 6.1       |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3646150       |                | 7.76      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 3412610       |                | 13.16     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-52                                   | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-09                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007786.D        | 10        |           | 04/10/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.5           | 2.47           | J         | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 1.4           | 4.24           |           | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 2.7           | 5.58           |           | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10           | U         | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79           | U         | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.4           | 1.55           | J         | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85           | U         | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.4           | 2.25           | J         | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80           | U         | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 3.6           | 27.6           |           | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31           | U         | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 0.6           | 2.46           | U         | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 5.1           | 20.2           |           | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 24.9          | 59.1           |           | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80           | U         | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 7.3           | 25.4           |           | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 72.4          | 287            |           | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 36.1          | 146            |           | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75           | U         | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 3.7           | 10.9           |           | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52           | U         | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 1420          | 5648           | E         | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.7           | 3.42           | J         | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24           | U         | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 132           | 718            |           | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36           | U         | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87           | U         | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 1.9           | 6.07           |           | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83           | U         | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 1220          | 6559           | E         | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77           | U         | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35           | U         | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6           | 2.46           | U         | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 35.6          | 134            |           | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18           | U         | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72           | U         | 1   | 0.6 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-52                                   | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-09                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007786.D        | 10        |           | 04/10/10      | vm040910      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.8           | 4.36           | U         | 1   | 0.8      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.5           | 4.26           | U         | 1   | 0.5      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.7           | 5.38           | U         | 1   | 0.7      | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 7860          | 53289          | E         | 0.3 | 0.3      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.9           | 4.14           | U         | 1   | 0.9      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.8           | 3.48           | U         | 1   | 0.8      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 2.8           | 12.2           |           | 2   | 1.1      | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.7           | 3.04           | U         | 1   | 0.7      | ppbv    |
| 100-42-5                  | Styrene                   | 0.7           | 2.98           | U         | 1   | 0.7      | ppbv    |
| 75-25-2                   | Bromoform                 | 0.5           | 5.17           | U         | 1   | 0.5      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1             | 6.87           | U         | 1   | 1        | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 1             | 5.18           | U         | 1   | 1        | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.9           | 4.42           | U         | 1   | 0.9      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1             | 4.92           | U         | 1   | 1        | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.8           | 3.93           | U         | 1   | 0.8      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.8           | 4.81           | U         | 1   | 0.8      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.6           | 3.61           | U         | 1   | 0.6      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.7           | 4.21           | U         | 1   | 0.7      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.4           | 2.97           | U         | 1   | 0.4      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.8           | 8.53           | U         | 1   | 0.8      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.9           | 1.99           | U         | 1   | 0.9      | ppbv    |
| 110-54-3                  | Hexane                    | 2.7           | 9.52           |           | 1   | 0.4      | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 8.47          |                |           | 85% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1454360       |                | 6.12      |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 1445350       |                | 7.79      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 3364980       |                | 13.19     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-52DL                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-09DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007813.D        | 400       |           | 04/13/10      | VM041210      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |    |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 16            | 79.1           | U         | 40 | 16  | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 40            | 121            | U         | 40 | 40  | ppbv  |
| 74-87-3        | Chloromethane                  | 24            | 49.6           | U         | 40 | 24  | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 40            | 163            | U         | 40 | 40  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 28            | 71.6           | U         | 12 | 28  | ppbv  |
| 74-83-9        | Bromomethane                   | 12            | 46.6           | U         | 40 | 12  | ppbv  |
| 75-00-3        | Chloroethane                   | 28            | 73.9           | U         | 40 | 28  | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 16            | 89.9           | U         | 40 | 16  | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 16            | 111            | U         | 40 | 16  | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 16            | 122            | U         | 40 | 16  | ppbv  |
| 593-60-2       | Bromoethene                    | 12            | 52.5           | U         | 40 | 12  | ppbv  |
| 142-82-5       | Heptane                        | 24            | 98.4           | U         | 40 | 24  | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 20            | 79.3           | U         | 40 | 20  | ppbv  |
| 67-64-1        | Acetone                        | 40            | 95.0           | U         | 40 | 40  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 20            | 62.3           | U         | 40 | 20  | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 20            | 72.1           | U         | 40 | 20  | ppbv  |
| 75-09-2        | Methylene Chloride             | 20            | 69.5           | U         | 40 | 20  | ppbv  |
| 107-05-1       | Allyl Chloride                 | 20            | 62.6           | U         | 40 | 20  | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 72            | 285            | D         | 40 | 24  | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 16            | 64.8           | U         | 40 | 16  | ppbv  |
| 110-82-7       | Cyclohexane                    | 32            | 110            | U         | 40 | 32  | ppbv  |
| 78-93-3        | 2-Butanone                     | 40            | 117            | U         | 40 | 40  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 16            | 100            | U         | 16 | 16  | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 4370          | 17334          | D         | 40 | 24  | ppbv  |
| 67-66-3        | Chloroform                     | 8             | 39.1           | U         | 40 | 8   | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 36            | 129            | U         | 40 | 36  | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 220           | 1200           | D         | 40 | 16  | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 32            | 94.4           | U         | 40 | 32  | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 16            | 74.7           | U         | 40 | 16  | ppbv  |
| 71-43-2        | Benzene                        | 16            | 51.1           | U         | 40 | 16  | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 28            | 113            | U         | 40 | 28  | ppbv  |
| 79-01-6        | Trichloroethene                | 1730          | 9286           | D         | 16 | 16  | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 24            | 110            | U         | 40 | 24  | ppbv  |
| 75-27-4        | Bromodichloromethane           | 20            | 133            | U         | 40 | 20  | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 24            | 98.4           | U         | 40 | 24  | ppbv  |
| 108-88-3       | Toluene                        | 20            | 75.4           | U         | 40 | 20  | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 28            | 127            | U         | 40 | 28  | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 24            | 108            | U         | 40 | 24  | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-52DL                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-09DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007813.D        | 400       |           | 04/13/10      | VM041210      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 32            | 174            | U         | 40  | 32       | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 20            | 170            | U         | 40  | 20       | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 28            | 215            | U         | 40  | 28       | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 22200         | 150840         | ED        | 12  | 12       | ppbv    |
| 108-90-7                  | Chlorobenzene             | 36            | 165            | U         | 40  | 36       | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 32            | 138            | U         | 40  | 32       | ppbv    |
| 179601-23-1               | m/p-Xylene                | 44            | 191            | U         | 80  | 44       | ppbv    |
| 95-47-6                   | o-Xylene                  | 28            | 121            | U         | 40  | 28       | ppbv    |
| 100-42-5                  | Styrene                   | 28            | 119            | U         | 40  | 28       | ppbv    |
| 75-25-2                   | Bromoform                 | 20            | 206            | U         | 40  | 20       | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 40            | 274            | U         | 40  | 40       | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 40            | 207            | U         | 40  | 40       | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 36            | 176            | U         | 40  | 36       | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 40            | 196            | U         | 40  | 40       | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 32            | 157            | U         | 40  | 32       | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 32            | 192            | U         | 40  | 32       | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 24            | 144            | U         | 40  | 24       | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 28            | 168            | U         | 40  | 28       | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 16            | 118            | U         | 40  | 16       | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 32            | 341            | U         | 40  | 32       | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 36            | 79.6           | U         | 40  | 36       | ppbv    |
| 110-54-3                  | Hexane                    | 16            | 56.4           | U         | 40  | 16       | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.59          |                |           | 96% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1577980       |                | 6.1       |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 4309120       |                | 7.77      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 4024420       |                | 13.15     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-52DL2                                | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-09DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007815.D        | 4000      |           | 04/13/10      | VM041210      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 160           | 791            | U         | 400 | 160 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 400           | 1212           | U         | 400 | 400 | ppbv  |
| 74-87-3        | Chloromethane                  | 240           | 495            | U         | 400 | 240 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 400           | 1637           | U         | 400 | 400 | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 280           | 715            | U         | 120 | 280 | ppbv  |
| 74-83-9        | Bromomethane                   | 120           | 465            | U         | 400 | 120 | ppbv  |
| 75-00-3        | Chloroethane                   | 280           | 738            | U         | 400 | 280 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 160           | 899            | U         | 400 | 160 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 160           | 1118           | U         | 400 | 160 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 160           | 1226           | U         | 400 | 160 | ppbv  |
| 593-60-2       | Bromoethene                    | 120           | 524            | U         | 400 | 120 | ppbv  |
| 142-82-5       | Heptane                        | 240           | 983            | U         | 400 | 240 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 200           | 792            | U         | 400 | 200 | ppbv  |
| 67-64-1        | Acetone                        | 400           | 950            | U         | 400 | 400 | ppbv  |
| 75-15-0        | Carbon Disulfide               | 200           | 622            | U         | 400 | 200 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 200           | 721            | U         | 400 | 200 | ppbv  |
| 75-09-2        | Methylene Chloride             | 200           | 694            | U         | 400 | 200 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 200           | 626            | U         | 400 | 200 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 240           | 951            | U         | 400 | 240 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 160           | 647            | U         | 400 | 160 | ppbv  |
| 110-82-7       | Cyclohexane                    | 320           | 1101           | U         | 400 | 320 | ppbv  |
| 78-93-3        | 2-Butanone                     | 400           | 1179           | U         | 400 | 400 | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 160           | 1006           | U         | 160 | 160 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 3880          | 15383          | D         | 400 | 240 | ppbv  |
| 67-66-3        | Chloroform                     | 80            | 390            | U         | 400 | 80  | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 360           | 1297           | U         | 400 | 360 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 160           | 872            | U         | 400 | 160 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 320           | 943            | U         | 400 | 320 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 160           | 747            | U         | 400 | 160 | ppbv  |
| 71-43-2        | Benzene                        | 160           | 511            | U         | 400 | 160 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 280           | 1133           | U         | 400 | 280 | ppbv  |
| 79-01-6        | Trichloroethene                | 1520          | 8168           | D         | 160 | 160 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 240           | 1109           | U         | 400 | 240 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 200           | 1339           | U         | 400 | 200 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 240           | 983            | U         | 400 | 240 | ppbv  |
| 108-88-3       | Toluene                        | 200           | 753            | U         | 400 | 200 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 280           | 1271           | U         | 400 | 280 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 240           | 1089           | U         | 400 | 240 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-52DL2                                | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-09DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007815.D        | 4000      |           | 04/13/10      | VM041210      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 320           | 1745           | U         | 400 | 320      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 200           | 1703           | U         | 400 | 200      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 280           | 2151           | U         | 400 | 280      | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 22100         | 149999         | D         | 120 | 120      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 360           | 1657           | U         | 400 | 360      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 320           | 1389           | U         | 400 | 320      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 440           | 1911           | U         | 800 | 440      | ppbv    |
| 95-47-6                   | o-Xylene                  | 280           | 1216           | U         | 400 | 280      | ppbv    |
| 100-42-5                  | Styrene                   | 280           | 1192           | U         | 400 | 280      | ppbv    |
| 75-25-2                   | Bromoform                 | 200           | 2067           | U         | 400 | 200      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 400           | 2746           | U         | 400 | 400      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 400           | 2071           | U         | 400 | 400      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 360           | 1769           | U         | 400 | 360      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 400           | 1966           | U         | 400 | 400      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 320           | 1573           | U         | 400 | 320      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 320           | 1923           | U         | 400 | 320      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 240           | 1442           | U         | 400 | 240      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 280           | 1683           | U         | 400 | 280      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 160           | 1187           | U         | 400 | 160      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 320           | 3413           | U         | 400 | 320      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 360           | 796            | U         | 400 | 360      | ppbv    |
| 110-54-3                  | Hexane                    | 160           | 563            | U         | 400 | 160      | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.05          |                |           | 91% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1480430       |                | 6.11      |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3877680       |                | 7.77      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 3593090       |                | 13.15     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-5                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-10                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007810.D        | 1         |           | 04/13/10      | VM041210      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.5           | 2.47           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 3.7           | 11.3           |           | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.4           | 0.867          |           | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116          | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185          | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.3           | 1.57           |           | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 30.9          | 236            | E         | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 1.3           | 5.37           |           | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198          | U         | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 60.6          | 143            | E         | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.4           | 1.31           |           | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 1.3           | 4.62           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.3           | 1.35           |           | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.2           | 0.769          |           | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.2           | 0.516          |           | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 2.5           | 7.40           |           | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.07          | 0.44           |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.02          | 0.098          | U         | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324          | U         | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 1.3           | 7.26           |           | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236          | U         | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.04          | 0.187          | U         | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 2.5           | 7.89           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.29          | 1.56           |           | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.1           | 0.533          |           | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 17.2          | 64.6           | E         | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-5                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-10                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007810.D        | 1         |           | 04/13/10      | VM041210      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|------|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08     | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05     | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07     | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 0.95          | 6.44           |           | 0.03 | 0.03     | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09     | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 1.7           | 7.30           |           | 0.1  | 0.08     | ppbv    |
| 179601-23-1               | m/p-Xylene                | 7.1           | 30.8           |           | 0.2  | 0.11     | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.8           | 3.48           |           | 0.1  | 0.07     | ppbv    |
| 100-42-5                  | Styrene                   | 0.3           | 1.28           |           | 0.1  | 0.07     | ppbv    |
| 75-25-2                   | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05     | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.2           | 0.885          |           | 0.1  | 0.09     | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.6           | 2.85           |           | 0.1  | 0.1      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.6           | 3.00           |           | 0.1  | 0.08     | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08     | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06     | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07     | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04     | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08     | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09     | ppbv    |
| 110-54-3                  | Hexane                    | 1.9           | 6.59           |           | 0.1  | 0.04     | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |      |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 12            |                |           | 120% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |      |          |         |
| 74-97-5                   | Bromochloromethane        | 1285830       |                | 6.11      |      |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3309840       |                | 7.77      |      |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 2761050       |                | 13.16     |      |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-5DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-10DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007811.D        | 10        |           | 04/13/10      | VM041210      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.98           | U         | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 2.4           | 7.28           | D         | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6           | 1.24           | U         | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10           | U         | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79           | U         | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3           | 1.16           | U         | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85           | U         | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.4           | 2.25           | U         | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80           | U         | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 29            | 222            | D         | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31           | U         | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 0.6           | 2.46           | U         | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5           | 1.98           | U         | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 48.8          | 115            | D         | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80           | U         | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5           | 1.74           | U         | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56           | U         | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.6           | 2.38           | U         | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4           | 1.62           | U         | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75           | U         | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 2             | 5.90           | D         | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52           | U         | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.6           | 2.38           | U         | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.2           | 0.977          | U         | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24           | U         | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.4           | 2.18           | U         | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36           | U         | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87           | U         | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 1.7           | 5.43           | D         | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83           | U         | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.4           | 2.15           | U         | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77           | U         | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35           | U         | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6           | 2.46           | U         | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 13.2          | 49.7           | D         | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18           | U         | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72           | U         | 1   | 0.6 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-5DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-10DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007811.D        | 10        |           | 04/13/10      | VM041210      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.8           | 4.36           | U         | 1   | 0.8      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.5           | 4.26           | U         | 1   | 0.5      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.7           | 5.38           | U         | 1   | 0.7      | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 0.3           | 2.03           | U         | 0.3 | 0.3      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.9           | 4.14           | U         | 1   | 0.9      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.8           | 3.48           | U         | 1   | 0.8      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 4.3           | 18.7           | D         | 2   | 1.1      | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.7           | 3.04           | U         | 1   | 0.7      | ppbv    |
| 100-42-5                  | Styrene                   | 0.7           | 2.98           | U         | 1   | 0.7      | ppbv    |
| 75-25-2                   | Bromoform                 | 0.5           | 5.17           | U         | 1   | 0.5      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1             | 6.87           | U         | 1   | 1        | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 1             | 5.18           | U         | 1   | 1        | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.9           | 4.42           | U         | 1   | 0.9      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1             | 4.92           | U         | 1   | 1        | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.8           | 3.93           | U         | 1   | 0.8      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.8           | 4.81           | U         | 1   | 0.8      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.6           | 3.61           | U         | 1   | 0.6      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.7           | 4.21           | U         | 1   | 0.7      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.4           | 2.97           | U         | 1   | 0.4      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.8           | 8.53           | U         | 1   | 0.8      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.9           | 1.99           | U         | 1   | 0.9      | ppbv    |
| 110-54-3                  | Hexane                    | 0.4           | 1.41           | U         | 1   | 0.4      | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.9           |                |           | 99% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1514590       |                | 6.1       |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 4346700       |                | 7.77      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 4280780       |                | 13.15     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | OA-1                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-11                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007775.D        | 1         |           | 04/09/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.3           | 1.48           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 0.1           | 0.303          | U         | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.5           | 0.929          |           | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116          | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185          | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.2           | 0.899          |           | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.04          | 0.307          | U         | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 0.06          | 0.246          | U         | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198          | U         | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 3.2           | 7.58           |           | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05          | 0.156          | U         | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5           | 1.67           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.1           | 0.436          |           | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.04          | 0.162          | U         | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.08          | 0.275          | U         | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1             | 2.80           |           | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.05          | 0.315          |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.02          | 0.098          | U         | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324          | U         | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.04          | 0.218          | U         | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236          | U         | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.04          | 0.187          | U         | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 0.4           | 1.21           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.04          | 0.215          | U         | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.1           | 0.492          |           | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 0.6           | 2.15           |           | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | OA-1                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-11                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007775.D        | 1         |           | 04/09/10      | vm040910      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|------|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08     | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05     | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07     | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 0.19          | 1.29           |           | 0.03 | 0.03     | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09     | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.08          | 0.347          | U         | 0.1  | 0.08     | ppbv    |
| 179601-23-1               | m/p-Xylene                | 0.2           | 0.956          |           | 0.2  | 0.11     | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.07          | 0.304          | U         | 0.1  | 0.07     | ppbv    |
| 100-42-5                  | Styrene                   | 0.07          | 0.298          | U         | 0.1  | 0.07     | ppbv    |
| 75-25-2                   | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05     | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1  | 0.09     | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.1           | 0.492          | U         | 0.1  | 0.1      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.08          | 0.393          | U         | 0.1  | 0.08     | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08     | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06     | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07     | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04     | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08     | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09     | ppbv    |
| 110-54-3                  | Hexane                    | 0.9           | 3.03           |           | 0.1  | 0.04     | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |      |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 8.87          |                |           | 89%  | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |      |          |         |
| 74-97-5                   | Bromochloromethane        | 1268000       |                | 6.15      |      |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 2440760       |                | 7.83      |      |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 1696740       |                | 13.23     |      |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | OA-1RE                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-11RE                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007808.D        | 1         |           | 04/12/10      | VM041210      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.5           | 2.67           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 0.1           | 0.303          | U         | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.8           | 1.59           |           | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116          | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185          | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.3           | 1.63           |           | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.04          | 0.307          | U         | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 0.06          | 0.246          | U         | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198          | U         | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 5.2           | 12.4           |           | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05          | 0.156          | U         | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.7           | 2.47           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.2           | 0.872          |           | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.04          | 0.162          | U         | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.08          | 0.275          | U         | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1.2           | 3.54           |           | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.1           | 0.629          |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.02          | 0.098          | U         | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324          | U         | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.04          | 0.218          | U         | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236          | U         | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.04          | 0.187          | U         | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 0.5           | 1.66           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.07          | 0.376          |           | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.2           | 0.697          |           | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 0.8           | 3.05           |           | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | OA-1RE                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-11RE                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007808.D        | 1         |           | 04/12/10      | VM041210      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|------|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08     | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05     | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07     | ppbv    |
| 127-18-4                  | Tetrachloroethane         | 0.52          | 3.53           |           | 0.03 | 0.03     | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09     | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.08          | 0.347          | U         | 0.1  | 0.08     | ppbv    |
| 179601-23-1               | m/p-Xylene                | 0.4           | 1.82           |           | 0.2  | 0.11     | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.07          | 0.304          | U         | 0.1  | 0.07     | ppbv    |
| 100-42-5                  | Styrene                   | 0.07          | 0.298          | U         | 0.1  | 0.07     | ppbv    |
| 75-25-2                   | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05     | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1  | 0.09     | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.1           | 0.492          | U         | 0.1  | 0.1      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.08          | 0.393          | U         | 0.1  | 0.08     | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08     | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06     | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07     | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04     | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08     | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09     | ppbv    |
| 110-54-3                  | Hexane                    | 1.1           | 3.88           |           | 0.1  | 0.04     | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |      |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 12.2          |                |           | 122% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |      |          |         |
| 74-97-5                   | Bromochloromethane        | 977629        |                | 6.1       |      |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 2362050       |                | 7.77      |      |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 1730430       |                | 13.15     |      |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits



# Hit Summary Sheet

SW-846

SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

| Sample ID                   | Client ID      | Matrix | Parameter                      | Concentration | C            | RDL  | MDL   | Units |
|-----------------------------|----------------|--------|--------------------------------|---------------|--------------|------|-------|-------|
| <b>Client ID:</b>           | <b>IA-01</b>   |        |                                |               |              |      |       |       |
| B1786-03                    | IA-01          | AIR    | Dichlorodifluoromethane        | 0.40          |              | 0.1  | 0.040 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Chloromethane                  | 0.40          |              | 0.1  | 0.060 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Trichlorofluoromethane         | 19.80         | E            | 0.1  | 0.040 | ppbv  |
| B1786-03                    | IA-01          | AIR    | 1,1,2-Trichlorotrifluoroethane | 0.10          | J            | 0.1  | 0.040 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Heptane                        | 1.00          |              | 0.1  | 0.060 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Acetone                        | 33.60         | E            | 0.1  | 0.100 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Methylene Chloride             | 0.80          |              | 0.1  | 0.050 | ppbv  |
| B1786-03                    | IA-01          | AIR    | trans-1,2-Dichloroethene       | 1.40          |              | 0.1  | 0.060 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Cyclohexane                    | 0.10          |              | 0.1  | 0.080 | ppbv  |
| B1786-03                    | IA-01          | AIR    | 2-Butanone                     | 25.00         | E            | 0.1  | 0.100 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Carbon Tetrachloride           | 0.06          |              | 0.04 | 0.040 | ppbv  |
| B1786-03                    | IA-01          | AIR    | 1,1,1-Trichloroethane          | 0.10          | J            | 0.1  | 0.040 | ppbv  |
| B1786-03                    | IA-01          | AIR    | 2,2,4-Trimethylpentane         | 0.20          |              | 0.1  | 0.040 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Benzene                        | 0.40          |              | 0.1  | 0.040 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Trichloroethene                | 0.05          |              | 0.04 | 0.040 | ppbv  |
| B1786-03                    | IA-01          | AIR    | 4-Methyl-2-Pentanone           | 1.40          |              | 0.1  | 0.060 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Toluene                        | 4.80          |              | 0.1  | 0.050 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Tetrachloroethene              | 4.13          |              | 0.03 | 0.030 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Ethyl Benzene                  | 0.50          |              | 0.1  | 0.080 | ppbv  |
| B1786-03                    | IA-01          | AIR    | m/p-Xylene                     | 1.50          |              | 0.2  | 0.110 | ppbv  |
| B1786-03                    | IA-01          | AIR    | o-Xylene                       | 0.30          |              | 0.1  | 0.070 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Styrene                        | 0.50          |              | 0.1  | 0.070 | ppbv  |
| B1786-03                    | IA-01          | AIR    | 1,2,4-Trimethylbenzene         | 0.20          |              | 0.1  | 0.100 | ppbv  |
| B1786-03                    | IA-01          | AIR    | Hexane                         | 1.00          |              | 0.1  | 0.040 | ppbv  |
| <b>Total Voc :</b>          |                |        |                                |               | <b>97.74</b> |      |       |       |
| <b>Total Concentration:</b> |                |        |                                |               | <b>97.74</b> |      |       |       |
| <b>Client ID:</b>           | <b>IA-01DL</b> |        |                                |               |              |      |       |       |
| B1786-03DL                  | IA-01DL        | AIR    | Trichlorofluoromethane         | 7.90          | D            | 1.0  | 0.400 | ppbv  |
| B1786-03DL                  | IA-01DL        | AIR    | Acetone                        | 32.80         | D            | 1.0  | 1.0   | ppbv  |
| B1786-03DL                  | IA-01DL        | AIR    | trans-1,2-Dichloroethene       | 1.00          | JD           | 1.0  | 0.600 | ppbv  |
| B1786-03DL                  | IA-01DL        | AIR    | 2-Butanone                     | 26.30         | D            | 1.0  | 1.0   | ppbv  |
| B1786-03DL                  | IA-01DL        | AIR    | 4-Methyl-2-Pentanone           | 1.00          | JD           | 1.0  | 0.600 | ppbv  |
| B1786-03DL                  | IA-01DL        | AIR    | Toluene                        | 3.50          | D            | 1.0  | 0.500 | ppbv  |
| B1786-03DL                  | IA-01DL        | AIR    | Tetrachloroethene              | 3.00          | D            | 0.30 | 0.300 | ppbv  |
| <b>Total Voc :</b>          |                |        |                                |               | <b>75.50</b> |      |       |       |
| <b>Total Concentration:</b> |                |        |                                |               | <b>75.50</b> |      |       |       |
| <b>Client ID:</b>           | <b>OA-1</b>    |        |                                |               |              |      |       |       |
| B1786-11                    | OA-1           | AIR    | Dichlorodifluoromethane        | 0.30          |              | 0.1  | 0.040 | ppbv  |

# Hit Summary Sheet

SW-846

SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

| Sample ID            | Client ID | Matrix | Parameter                      | Concentration | C     | RDL  | MDL   | Units |
|----------------------|-----------|--------|--------------------------------|---------------|-------|------|-------|-------|
| B1786-11             | OA-1      | AIR    | Chloromethane                  | 0.50          |       | 0.1  | 0.060 | ppbv  |
| B1786-11             | OA-1      | AIR    | Trichlorofluoromethane         | 0.20          |       | 0.1  | 0.040 | ppbv  |
| B1786-11             | OA-1      | AIR    | Acetone                        | 3.20          |       | 0.1  | 0.100 | ppbv  |
| B1786-11             | OA-1      | AIR    | Methylene Chloride             | 0.50          |       | 0.1  | 0.050 | ppbv  |
| B1786-11             | OA-1      | AIR    | trans-1,2-Dichloroethene       | 0.10          |       | 0.1  | 0.060 | ppbv  |
| B1786-11             | OA-1      | AIR    | 2-Butanone                     | 1.00          |       | 0.1  | 0.100 | ppbv  |
| B1786-11             | OA-1      | AIR    | Carbon Tetrachloride           | 0.05          |       | 0.04 | 0.040 | ppbv  |
| B1786-11             | OA-1      | AIR    | Benzene                        | 0.40          |       | 0.1  | 0.040 | ppbv  |
| B1786-11             | OA-1      | AIR    | 4-Methyl-2-Pentanone           | 0.10          |       | 0.1  | 0.060 | ppbv  |
| B1786-11             | OA-1      | AIR    | Toluene                        | 0.60          |       | 0.1  | 0.050 | ppbv  |
| B1786-11             | OA-1      | AIR    | Tetrachloroethene              | 0.19          |       | 0.03 | 0.030 | ppbv  |
| B1786-11             | OA-1      | AIR    | m/p-Xylene                     | 0.20          |       | 0.2  | 0.110 | ppbv  |
| B1786-11             | OA-1      | AIR    | Hexane                         | 0.90          |       | 0.1  | 0.040 | ppbv  |
| Total Voc :          |           |        |                                |               | 8.24  |      |       |       |
| Total Concentration: |           |        |                                |               | 8.24  |      |       |       |
| Client ID:           | OA-1RE    |        |                                |               |       |      |       |       |
| B1786-11RE           | OA-1RE    | AIR    | Dichlorodifluoromethane        | 0.50          |       | 0.1  | 0.040 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | Chloromethane                  | 0.80          |       | 0.1  | 0.060 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | Trichlorofluoromethane         | 0.30          |       | 0.1  | 0.040 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | Acetone                        | 5.20          |       | 0.1  | 0.100 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | Methylene Chloride             | 0.70          |       | 0.1  | 0.050 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | trans-1,2-Dichloroethene       | 0.20          |       | 0.1  | 0.060 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | 2-Butanone                     | 1.20          |       | 0.1  | 0.100 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | Carbon Tetrachloride           | 0.10          |       | 0.04 | 0.040 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | Benzene                        | 0.50          |       | 0.1  | 0.040 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | Trichloroethene                | 0.07          |       | 0.04 | 0.040 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | 4-Methyl-2-Pentanone           | 0.20          |       | 0.1  | 0.060 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | Toluene                        | 0.80          |       | 0.1  | 0.050 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | Tetrachloroethene              | 0.52          |       | 0.03 | 0.030 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | m/p-Xylene                     | 0.40          |       | 0.2  | 0.110 | ppbv  |
| B1786-11RE           | OA-1RE    | AIR    | Hexane                         | 1.10          |       | 0.1  | 0.040 | ppbv  |
| Total Voc :          |           |        |                                |               | 12.59 |      |       |       |
| Total Concentration: |           |        |                                |               | 12.59 |      |       |       |
| Client ID:           | SG-1      |        |                                |               |       |      |       |       |
| B1786-05             | SG-1      | AIR    | Dichlorodifluoromethane        | 0.40          |       | 0.1  | 0.040 | ppbv  |
| B1786-05             | SG-1      | AIR    | tert-butyl alcohol             | 3.00          |       | 0.1  | 0.100 | ppbv  |
| B1786-05             | SG-1      | AIR    | Chloromethane                  | 0.10          |       | 0.1  | 0.060 | ppbv  |
| B1786-05             | SG-1      | AIR    | Trichlorofluoromethane         | 0.20          |       | 0.1  | 0.040 | ppbv  |
| B1786-05             | SG-1      | AIR    | 1,1,2-Trichlorotrifluoroethane | 0.50          |       | 0.1  | 0.040 | ppbv  |

# Hit Summary Sheet

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SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

| Sample ID            | Client ID | Matrix | Parameter              | Concentration | C      | RDL   | MDL   | Units |
|----------------------|-----------|--------|------------------------|---------------|--------|-------|-------|-------|
| B1786-05             | SG-1      | AIR    | Heptane                | 6.60          | E      | 0.1   | 0.060 | ppbv  |
| B1786-05             | SG-1      | AIR    | 1,1-Dichloroethene     | 0.20          |        | 0.1   | 0.050 | ppbv  |
| B1786-05             | SG-1      | AIR    | Acetone                | 92.30         |        | 0.1   | 0.100 | ppbv  |
| B1786-05             | SG-1      | AIR    | Carbon Disulfide       | 6.90          |        | 0.1   | 0.050 | ppbv  |
| B1786-05             | SG-1      | AIR    | Methylene Chloride     | 1.80          |        | 0.1   | 0.050 | ppbv  |
| B1786-05             | SG-1      | AIR    | Cyclohexane            | 1.70          |        | 0.1   | 0.080 | ppbv  |
| B1786-05             | SG-1      | AIR    | 2-Butanone             | 10.10         |        | 0.1   | 0.100 | ppbv  |
| B1786-05             | SG-1      | AIR    | Carbon Tetrachloride   | 0.18          |        | 0.04  | 0.040 | ppbv  |
| B1786-05             | SG-1      | AIR    | cis-1,2-Dichloroethene | 0.10          |        | 0.1   | 0.060 | ppbv  |
| B1786-05             | SG-1      | AIR    | 1,1,1-Trichloroethane  | 0.30          |        | 0.1   | 0.040 | ppbv  |
| B1786-05             | SG-1      | AIR    | Tetrahydrofuran        | 10.10         | 0.1    | 0.080 | ppbv  |       |
| B1786-05             | SG-1      | AIR    | 2,2,4-Trimethylpentane | 3.20          | 0.1    | 0.040 | ppbv  |       |
| B1786-05             | SG-1      | AIR    | Benzene                | 12.90         | E      | 0.1   | 0.040 | ppbv  |
| B1786-05             | SG-1      | AIR    | Trichloroethene        | 0.32          |        | 0.04  | 0.040 | ppbv  |
| B1786-05             | SG-1      | AIR    | Toluene                | 45.40         |        | 0.1   | 0.050 | ppbv  |
| B1786-05             | SG-1      | AIR    | Tetrachloroethene      | 0.90          |        | 0.03  | 0.030 | ppbv  |
| B1786-05             | SG-1      | AIR    | Ethyl Benzene          | 2.40          |        | 0.1   | 0.080 | ppbv  |
| B1786-05             | SG-1      | AIR    | m/p-Xylene             | 7.80          |        | 0.2   | 0.110 | ppbv  |
| B1786-05             | SG-1      | AIR    | o-Xylene               | 1.70          |        | 0.1   | 0.070 | ppbv  |
| B1786-05             | SG-1      | AIR    | Styrene                | 0.90          |        | 0.1   | 0.070 | ppbv  |
| B1786-05             | SG-1      | AIR    | 1,3,5-Trimethylbenzene | 0.10          |        | 0.1   | 0.090 | ppbv  |
| B1786-05             | SG-1      | AIR    | 1,2,4-Trimethylbenzene | 0.50          |        | 0.1   | 0.100 | ppbv  |
| B1786-05             | SG-1      | AIR    | 4-Ethyltoluene         | 0.40          | 0.1    | 0.080 | ppbv  |       |
| B1786-05             | SG-1      | AIR    | Hexane                 | 15.90         | E      | 0.1   | 0.040 | ppbv  |
| Total Voc :          |           |        |                        |               | 226.90 |       |       |       |
| Total Concentration: |           |        |                        |               | 226.90 |       |       |       |
| Client ID:           | SG-1DL    |        |                        |               |        |       |       |       |
| B1786-05DL           | SG-1DL    | AIR    | tert-butyl alcohol     | 2.40          | D      | 1.0   | 1.0   | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | Heptane                | 7.30          | D      | 1.0   | 0.600 | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | Acetone                | 116.00        | D      | 1.0   | 1.0   | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | Carbon Disulfide       | 5.90          | D      | 1.0   | 0.500 | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | Methylene Chloride     | 2.40          | D      | 1.0   | 0.500 | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | Cyclohexane            | 1.90          | D      | 1.0   | 0.800 | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | 2-Butanone             | 7.60          | D      | 1.0   | 1.0   | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | Tetrahydrofuran        | 8.90          | D      | 1.0   | 0.800 | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | 2,2,4-Trimethylpentane | 3.20          | D      | 1.0   | 0.400 | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | Benzene                | 11.40         | D      | 1.0   | 0.400 | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | Toluene                | 40.40         | D      | 1.0   | 0.500 | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | Tetrachloroethene      | 0.60          | D      | 0.30  | 0.300 | ppbv  |

## Hit Summary Sheet

SW-846

SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

| Sample ID            | Client ID | Matrix | Parameter                      | Concentration | C  | RDL  | MDL   | Units |
|----------------------|-----------|--------|--------------------------------|---------------|----|------|-------|-------|
| B1786-05DL           | SG-1DL    | AIR    | Ethyl Benzene                  | 2.00          | D  | 1.0  | 0.800 | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | m/p-Xylene                     | 6.50          | D  | 2.0  | 1.1   | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | o-Xylene                       | 1.30          | D  | 1.0  | 0.700 | ppbv  |
| B1786-05DL           | SG-1DL    | AIR    | Hexane                         | 15.40         | D  | 1.0  | 0.400 | ppbv  |
| Total Voc :          |           |        |                                | 233.20        |    |      |       |       |
| Total Concentration: |           |        |                                | 233.20        |    |      |       |       |
| Client ID:           | SG-2      |        |                                |               |    |      |       |       |
| B1786-04             | SG-2      | AIR    | Dichlorodifluoromethane        | 0.40          | J  | 1.0  | 0.400 | ppbv  |
| B1786-04             | SG-2      | AIR    | tert-butyl alcohol             | 1.60          |    | 1.0  | 1.0   | ppbv  |
| B1786-04             | SG-2      | AIR    | 1,1,2-Trichlorotrifluoroethane | 3.80          |    | 1.0  | 0.400 | ppbv  |
| B1786-04             | SG-2      | AIR    | Heptane                        | 1.60          |    | 1.0  | 0.600 | ppbv  |
| B1786-04             | SG-2      | AIR    | 1,1-Dichloroethene             | 6.20          |    | 1.0  | 0.500 | ppbv  |
| B1786-04             | SG-2      | AIR    | Acetone                        | 57.70         |    | 1.0  | 1.0   | ppbv  |
| B1786-04             | SG-2      | AIR    | Methylene Chloride             | 2.80          |    | 1.0  | 0.500 | ppbv  |
| B1786-04             | SG-2      | AIR    | trans-1,2-Dichloroethene       | 79.40         |    | 1.0  | 0.600 | ppbv  |
| B1786-04             | SG-2      | AIR    | 1,1-Dichloroethane             | 44.10         |    | 1.0  | 0.400 | ppbv  |
| B1786-04             | SG-2      | AIR    | 2-Butanone                     | 2.00          |    | 1.0  | 1.0   | ppbv  |
| B1786-04             | SG-2      | AIR    | cis-1,2-Dichloroethene         | 1,650.00      | E  | 1.0  | 0.600 | ppbv  |
| B1786-04             | SG-2      | AIR    | Chloroform                     | 0.90          | J  | 1.0  | 0.200 | ppbv  |
| B1786-04             | SG-2      | AIR    | 1,1,1-Trichloroethane          | 229.00        | E  | 1.0  | 0.400 | ppbv  |
| B1786-04             | SG-2      | AIR    | Benzene                        | 2.50          |    | 1.0  | 0.400 | ppbv  |
| B1786-04             | SG-2      | AIR    | Trichloroethene                | 1,160.00      | E  | 0.40 | 0.400 | ppbv  |
| B1786-04             | SG-2      | AIR    | Toluene                        | 18.10         |    | 1.0  | 0.500 | ppbv  |
| B1786-04             | SG-2      | AIR    | Tetrachloroethene              | 3,520.00      | E  | 0.30 | 0.300 | ppbv  |
| B1786-04             | SG-2      | AIR    | Ethyl Benzene                  | 1.10          |    | 1.0  | 0.800 | ppbv  |
| B1786-04             | SG-2      | AIR    | m/p-Xylene                     | 4.10          |    | 2.0  | 1.1   | ppbv  |
| B1786-04             | SG-2      | AIR    | Hexane                         | 1.40          |    | 1.0  | 0.400 | ppbv  |
| Total Voc :          |           |        |                                | 6,786.70      |    |      |       |       |
| Total Concentration: |           |        |                                | 6,786.70      |    |      |       |       |
| Client ID:           | SG-2DL    |        |                                |               |    |      |       |       |
| B1786-04DL           | SG-2DL    | AIR    | trans-1,2-Dichloroethene       | 44.00         | JD | 44.0 | 26    | ppbv  |
| B1786-04DL           | SG-2DL    | AIR    | cis-1,2-Dichloroethene         | 3,520.00      | D  | 44.0 | 26    | ppbv  |
| B1786-04DL           | SG-2DL    | AIR    | 1,1,1-Trichloroethane          | 180.00        | D  | 44.0 | 18    | ppbv  |
| B1786-04DL           | SG-2DL    | AIR    | Trichloroethene                | 1,290.00      | D  | 17.6 | 18    | ppbv  |
| B1786-04DL           | SG-2DL    | AIR    | Tetrachloroethene              | 23,700.00     | ED | 13.2 | 13    | ppbv  |
| Total Voc :          |           |        |                                | 28,734.00     |    |      |       |       |
| Total Concentration: |           |        |                                | 28,734.00     |    |      |       |       |
| Client ID:           | SG-2DL2   |        |                                |               |    |      |       |       |
| B1786-04DL2          | SG-2DL2   | AIR    | cis-1,2-Dichloroethene         | 2,950.00      | D  | 440  | 260   | ppbv  |
| B1786-04DL2          | SG-2DL2   | AIR    | Trichloroethene                | 1,100.00      | D  | 176  | 180   | ppbv  |

# Hit Summary Sheet

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SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

| Sample ID            | Client ID | Matrix | Parameter                      | Concentration | C  | RDL  | MDL   | Units |
|----------------------|-----------|--------|--------------------------------|---------------|----|------|-------|-------|
| B1786-04DL2          | SG-2DL2   | AIR    | Tetrachloroethene              | 19,500.00     | D  | 132  | 130   | ppbv  |
| Total Voc :          |           |        |                                | 23,550.00     |    |      |       |       |
| Total Concentration: |           |        |                                | 23,550.00     |    |      |       |       |
| Client ID:           | SG-3      |        |                                |               |    |      |       |       |
| B1786-07             | SG-3      | AIR    | Dichlorodifluoromethane        | 0.50          |    | 0.1  | 0.040 | ppbv  |
| B1786-07             | SG-3      | AIR    | tert-butyl alcohol             | 3.50          |    | 0.1  | 0.100 | ppbv  |
| B1786-07             | SG-3      | AIR    | Trichlorofluoromethane         | 0.30          |    | 0.1  | 0.040 | ppbv  |
| B1786-07             | SG-3      | AIR    | 1,1,2-Trichlorotrifluoroethane | 0.20          |    | 0.1  | 0.040 | ppbv  |
| B1786-07             | SG-3      | AIR    | Heptane                        | 1.00          |    | 0.1  | 0.060 | ppbv  |
| B1786-07             | SG-3      | AIR    | Acetone                        | 44.50         | E  | 0.1  | 0.100 | ppbv  |
| B1786-07             | SG-3      | AIR    | Methylene Chloride             | 0.50          |    | 0.1  | 0.050 | ppbv  |
| B1786-07             | SG-3      | AIR    | Cyclohexane                    | 0.10          |    | 0.1  | 0.080 | ppbv  |
| B1786-07             | SG-3      | AIR    | 2-Butanone                     | 1.30          |    | 0.1  | 0.100 | ppbv  |
| B1786-07             | SG-3      | AIR    | Carbon Tetrachloride           | 0.05          |    | 0.04 | 0.040 | ppbv  |
| B1786-07             | SG-3      | AIR    | Chloroform                     | 1.20          |    | 0.1  | 0.020 | ppbv  |
| B1786-07             | SG-3      | AIR    | 1,1,1-Trichloroethane          | 0.30          |    | 0.1  | 0.040 | ppbv  |
| B1786-07             | SG-3      | AIR    | Benzene                        | 1.40          |    | 0.1  | 0.040 | ppbv  |
| B1786-07             | SG-3      | AIR    | Trichloroethene                | 0.22          |    | 0.04 | 0.040 | ppbv  |
| B1786-07             | SG-3      | AIR    | Toluene                        | 11.50         |    | 0.1  | 0.050 | ppbv  |
| B1786-07             | SG-3      | AIR    | Tetrachloroethene              | 1.48          |    | 0.03 | 0.030 | ppbv  |
| B1786-07             | SG-3      | AIR    | Ethyl Benzene                  | 0.70          |    | 0.1  | 0.080 | ppbv  |
| B1786-07             | SG-3      | AIR    | m/p-Xylene                     | 2.80          |    | 0.2  | 0.110 | ppbv  |
| B1786-07             | SG-3      | AIR    | o-Xylene                       | 0.30          |    | 0.1  | 0.070 | ppbv  |
| B1786-07             | SG-3      | AIR    | Styrene                        | 0.20          |    | 0.1  | 0.070 | ppbv  |
| B1786-07             | SG-3      | AIR    | 1,2,4-Trimethylbenzene         | 0.10          |    | 0.1  | 0.100 | ppbv  |
| B1786-07             | SG-3      | AIR    | 4-Ethyltoluene                 | 0.20          |    | 0.1  | 0.080 | ppbv  |
| Total Voc :          |           |        |                                | 72.35         |    |      |       |       |
| Total Concentration: |           |        |                                | 72.35         |    |      |       |       |
| Client ID:           | SG-3DL    |        |                                |               |    |      |       |       |
| B1786-07DL           | SG-3DL    | AIR    | tert-butyl alcohol             | 1.80          | D  | 1.0  | 1.0   | ppbv  |
| B1786-07DL           | SG-3DL    | AIR    | Heptane                        | 1.10          | D  | 1.0  | 0.600 | ppbv  |
| B1786-07DL           | SG-3DL    | AIR    | Acetone                        | 40.20         | D  | 1.0  | 1.0   | ppbv  |
| B1786-07DL           | SG-3DL    | AIR    | 2-Butanone                     | 1.10          | D  | 1.0  | 1.0   | ppbv  |
| B1786-07DL           | SG-3DL    | AIR    | Chloroform                     | 1.10          | D  | 1.0  | 0.200 | ppbv  |
| B1786-07DL           | SG-3DL    | AIR    | Benzene                        | 1.20          | D  | 1.0  | 0.400 | ppbv  |
| B1786-07DL           | SG-3DL    | AIR    | Toluene                        | 10.60         | D  | 1.0  | 0.500 | ppbv  |
| B1786-07DL           | SG-3DL    | AIR    | Tetrachloroethene              | 1.30          | D  | 0.30 | 0.300 | ppbv  |
| B1786-07DL           | SG-3DL    | AIR    | m/p-Xylene                     | 2.00          | JD | 2.0  | 1.1   | ppbv  |
| Total Voc :          |           |        |                                | 60.40         |    |      |       |       |

# Hit Summary Sheet

SW-846

SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

| Sample ID            | Client ID | Matrix | Parameter                      | Concentration | C  | RDL  | MDL   | Units |
|----------------------|-----------|--------|--------------------------------|---------------|----|------|-------|-------|
| Total Concentration: |           |        |                                | 60.40         |    |      |       |       |
| Client ID:           | SG-4      |        |                                |               |    |      |       |       |
| B1786-08             | SG-4      | AIR    | Dichlorodifluoromethane        | 0.50          | J  | 0.1  | 0.040 | ppbv  |
| B1786-08             | SG-4      | AIR    | tert-butyl alcohol             | 3.60          |    | 0.1  | 0.100 | ppbv  |
| B1786-08             | SG-4      | AIR    | Chloromethane                  | 0.10          |    | 0.1  | 0.060 | ppbv  |
| B1786-08             | SG-4      | AIR    | Trichlorofluoromethane         | 0.60          |    | 0.1  | 0.040 | ppbv  |
| B1786-08             | SG-4      | AIR    | 1,1,2-Trichlorotrifluoroethane | 5.90          |    | 0.1  | 0.040 | ppbv  |
| B1786-08             | SG-4      | AIR    | Heptane                        | 0.90          | E  | 0.1  | 0.060 | ppbv  |
| B1786-08             | SG-4      | AIR    | Acetone                        | 36.70         |    | 0.1  | 0.100 | ppbv  |
| B1786-08             | SG-4      | AIR    | Carbon Disulfide               | 0.30          |    | 0.1  | 0.050 | ppbv  |
| B1786-08             | SG-4      | AIR    | Methylene Chloride             | 0.80          |    | 0.1  | 0.050 | ppbv  |
| B1786-08             | SG-4      | AIR    | trans-1,2-Dichloroethene       | 0.60          |    | 0.1  | 0.060 | ppbv  |
| B1786-08             | SG-4      | AIR    | 1,1-Dichloroethane             | 1.00          | E  | 0.1  | 0.040 | ppbv  |
| B1786-08             | SG-4      | AIR    | Cyclohexane                    | 0.20          |    | 0.1  | 0.080 | ppbv  |
| B1786-08             | SG-4      | AIR    | 2-Butanone                     | 1.40          |    | 0.1  | 0.100 | ppbv  |
| B1786-08             | SG-4      | AIR    | cis-1,2-Dichloroethene         | 6.00          |    | 0.1  | 0.060 | ppbv  |
| B1786-08             | SG-4      | AIR    | Chloroform                     | 0.40          |    | 0.1  | 0.020 | ppbv  |
| B1786-08             | SG-4      | AIR    | 1,1,1-Trichloroethane          | 62.60         | E  | 0.1  | 0.040 | ppbv  |
| B1786-08             | SG-4      | AIR    | Benzene                        | 1.50          |    | 0.1  | 0.040 | ppbv  |
| B1786-08             | SG-4      | AIR    | Trichloroethene                | 42.90         |    | 0.04 | 0.040 | ppbv  |
| B1786-08             | SG-4      | AIR    | Toluene                        | 9.60          |    | 0.1  | 0.050 | ppbv  |
| B1786-08             | SG-4      | AIR    | Tetrachloroethene              | 204.00        |    | 0.03 | 0.030 | ppbv  |
| B1786-08             | SG-4      | AIR    | Ethyl Benzene                  | 1.10          | E  | 0.1  | 0.080 | ppbv  |
| B1786-08             | SG-4      | AIR    | m/p-Xylene                     | 3.80          |    | 0.2  | 0.110 | ppbv  |
| B1786-08             | SG-4      | AIR    | o-Xylene                       | 0.50          |    | 0.1  | 0.070 | ppbv  |
| B1786-08             | SG-4      | AIR    | Styrene                        | 0.30          |    | 0.1  | 0.070 | ppbv  |
| B1786-08             | SG-4      | AIR    | 1,2,4-Trimethylbenzene         | 0.30          |    | 0.1  | 0.100 | ppbv  |
| B1786-08             | SG-4      | AIR    | 4-Ethyltoluene                 | 0.30          |    | 0.1  | 0.080 | ppbv  |
| Total Voc :          |           |        |                                | 385.90        |    |      |       |       |
| Total Concentration: |           |        |                                | 385.90        |    |      |       |       |
| Client ID:           | SG-4DL    |        |                                |               |    |      |       |       |
| B1786-08DL           | SG-4DL    | AIR    | tert-butyl alcohol             | 1.50          | D  | 1.0  | 1.0   | ppbv  |
| B1786-08DL           | SG-4DL    | AIR    | 1,1,2-Trichlorotrifluoroethane | 5.00          | D  | 1.0  | 0.400 | ppbv  |
| B1786-08DL           | SG-4DL    | AIR    | Heptane                        | 1.00          | JD | 1.0  | 0.600 | ppbv  |
| B1786-08DL           | SG-4DL    | AIR    | Acetone                        | 26.70         | D  | 1.0  | 1.0   | ppbv  |
| B1786-08DL           | SG-4DL    | AIR    | 2-Butanone                     | 1.30          | D  | 1.0  | 1.0   | ppbv  |
| B1786-08DL           | SG-4DL    | AIR    | cis-1,2-Dichloroethene         | 4.50          | D  | 1.0  | 0.600 | ppbv  |
| B1786-08DL           | SG-4DL    | AIR    | 1,1,1-Trichloroethane          | 59.90         | D  | 1.0  | 0.400 | ppbv  |
| B1786-08DL           | SG-4DL    | AIR    | Benzene                        | 1.20          | D  | 1.0  | 0.400 | ppbv  |

## Hit Summary Sheet

SW-846

SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

| Sample ID            | Client ID | Matrix | Parameter                      | Concentration | C      | RDL  | MDL   | Units |
|----------------------|-----------|--------|--------------------------------|---------------|--------|------|-------|-------|
| B1786-08DL           | SG-4DL    | AIR    | Trichloroethene                | 44.70         | D      | 0.40 | 0.400 | ppbv  |
| B1786-08DL           | SG-4DL    | AIR    | Toluene                        | 8.60          | D      | 1.0  | 0.500 | ppbv  |
| B1786-08DL           | SG-4DL    | AIR    | Tetrachloroethene              | 613.00        | ED     | 0.30 | 0.300 | ppbv  |
| B1786-08DL           | SG-4DL    | AIR    | m/p-Xylene                     | 2.70          | D      | 2.0  | 1.1   | ppbv  |
| Total Voc :          |           |        |                                |               | 770.10 |      |       |       |
| Total Concentration: |           |        |                                |               | 770.10 |      |       |       |
| Client ID:           | SG-4DL2   |        |                                |               |        |      |       |       |
| B1786-08DL2          | SG-4DL2   | AIR    | Acetone                        | 54.00         | D      | 10.0 | 10    | ppbv  |
| B1786-08DL2          | SG-4DL2   | AIR    | 1,1,1-Trichloroethane          | 31.00         | D      | 10.0 | 4.0   | ppbv  |
| B1786-08DL2          | SG-4DL2   | AIR    | Trichloroethene                | 32.00         | D      | 4.00 | 4.0   | ppbv  |
| B1786-08DL2          | SG-4DL2   | AIR    | Tetrachloroethene              | 432.00        | D      | 3.00 | 3.0   | ppbv  |
| Total Voc :          |           |        |                                |               | 549.00 |      |       |       |
| Total Concentration: |           |        |                                |               | 549.00 |      |       |       |
| Client ID:           | SG-5      |        |                                |               |        |      |       |       |
| B1786-10             | SG-5      | AIR    | Dichlorodifluoromethane        | 0.50          |        | 0.1  | 0.040 | ppbv  |
| B1786-10             | SG-5      | AIR    | tert-butyl alcohol             | 3.70          |        | 0.1  | 0.100 | ppbv  |
| B1786-10             | SG-5      | AIR    | Chloromethane                  | 0.40          |        | 0.1  | 0.060 | ppbv  |
| B1786-10             | SG-5      | AIR    | Trichlorofluoromethane         | 0.30          |        | 0.1  | 0.040 | ppbv  |
| B1786-10             | SG-5      | AIR    | 1,1,2-Trichlorotrifluoroethane | 30.90         | E      | 0.1  | 0.040 | ppbv  |
| B1786-10             | SG-5      | AIR    | Heptane                        | 1.30          |        | 0.1  | 0.060 | ppbv  |
| B1786-10             | SG-5      | AIR    | Acetone                        | 60.60         | E      | 0.1  | 0.100 | ppbv  |
| B1786-10             | SG-5      | AIR    | Carbon Disulfide               | 0.40          |        | 0.1  | 0.050 | ppbv  |
| B1786-10             | SG-5      | AIR    | Methylene Chloride             | 1.30          |        | 0.1  | 0.050 | ppbv  |
| B1786-10             | SG-5      | AIR    | trans-1,2-Dichloroethene       | 0.30          |        | 0.1  | 0.060 | ppbv  |
| B1786-10             | SG-5      | AIR    | 1,1-Dichloroethane             | 0.20          |        | 0.1  | 0.040 | ppbv  |
| B1786-10             | SG-5      | AIR    | Cyclohexane                    | 0.20          |        | 0.1  | 0.080 | ppbv  |
| B1786-10             | SG-5      | AIR    | 2-Butanone                     | 2.50          |        | 0.1  | 0.100 | ppbv  |
| B1786-10             | SG-5      | AIR    | Carbon Tetrachloride           | 0.07          |        | 0.04 | 0.040 | ppbv  |
| B1786-10             | SG-5      | AIR    | 1,1,1-Trichloroethane          | 1.30          |        | 0.1  | 0.040 | ppbv  |
| B1786-10             | SG-5      | AIR    | Benzene                        | 2.50          |        | 0.1  | 0.040 | ppbv  |
| B1786-10             | SG-5      | AIR    | Trichloroethene                | 0.29          |        | 0.04 | 0.040 | ppbv  |
| B1786-10             | SG-5      | AIR    | 4-Methyl-2-Pentanone           | 0.10          |        | 0.1  | 0.060 | ppbv  |
| B1786-10             | SG-5      | AIR    | Toluene                        | 17.20         | E      | 0.1  | 0.050 | ppbv  |
| B1786-10             | SG-5      | AIR    | Tetrachloroethene              | 0.95          |        | 0.03 | 0.030 | ppbv  |
| B1786-10             | SG-5      | AIR    | Ethyl Benzene                  | 1.70          |        | 0.1  | 0.080 | ppbv  |
| B1786-10             | SG-5      | AIR    | m/p-Xylene                     | 7.10          |        | 0.2  | 0.110 | ppbv  |
| B1786-10             | SG-5      | AIR    | o-Xylene                       | 0.80          |        | 0.1  | 0.070 | ppbv  |
| B1786-10             | SG-5      | AIR    | Styrene                        | 0.30          |        | 0.1  | 0.070 | ppbv  |
| B1786-10             | SG-5      | AIR    | 1,3,5-Trimethylbenzene         | 0.20          |        | 0.1  | 0.090 | ppbv  |



## Hit Summary Sheet

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SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

| Sample ID            | Client ID | Matrix | Parameter                      | Concentration | C         | RDL  | MDL   | Units |
|----------------------|-----------|--------|--------------------------------|---------------|-----------|------|-------|-------|
| B1786-10             | SG-5      | AIR    | 1,2,4-Trimethylbenzene         | 0.60          |           | 0.1  | 0.100 | ppbv  |
| B1786-10             | SG-5      | AIR    | 4-Ethyltoluene                 | 0.60          |           | 0.1  | 0.080 | ppbv  |
| B1786-10             | SG-5      | AIR    | Hexane                         | 1.90          |           | 0.1  | 0.040 | ppbv  |
| Total Voc :          |           |        |                                |               | 138.21    |      |       |       |
| Total Concentration: |           |        |                                |               | 138.21    |      |       |       |
| Client ID:           | SG-52     |        |                                |               |           |      |       |       |
| B1786-09             | SG-52     | AIR    | Dichlorodifluoromethane        | 0.50          | J         | 1.0  | 0.400 | ppbv  |
| B1786-09             | SG-52     | AIR    | tert-butyl alcohol             | 1.40          |           | 1.0  | 1.0   | ppbv  |
| B1786-09             | SG-52     | AIR    | Chloromethane                  | 2.70          |           | 1.0  | 0.600 | ppbv  |
| B1786-09             | SG-52     | AIR    | Bromomethane                   | 0.40          | J         | 1.0  | 0.300 | ppbv  |
| B1786-09             | SG-52     | AIR    | Trichlorofluoromethane         | 0.40          | J         | 1.0  | 0.400 | ppbv  |
| B1786-09             | SG-52     | AIR    | 1,1,2-Trichlorotrifluoroethane | 3.60          |           | 1.0  | 0.400 | ppbv  |
| B1786-09             | SG-52     | AIR    | 1,1-Dichloroethene             | 5.10          |           | 1.0  | 0.500 | ppbv  |
| B1786-09             | SG-52     | AIR    | Acetone                        | 24.90         |           | 1.0  | 1.0   | ppbv  |
| B1786-09             | SG-52     | AIR    | Methylene Chloride             | 7.30          |           | 1.0  | 0.500 | ppbv  |
| B1786-09             | SG-52     | AIR    | trans-1,2-Dichloroethene       | 72.40         |           | 1.0  | 0.600 | ppbv  |
| B1786-09             | SG-52     | AIR    | 1,1-Dichloroethane             | 36.10         |           | 1.0  | 0.400 | ppbv  |
| B1786-09             | SG-52     | AIR    | 2-Butanone                     | 3.70          |           | 1.0  | 1.0   | ppbv  |
| B1786-09             | SG-52     | AIR    | cis-1,2-Dichloroethene         | 1,420.00      | E         | 1.0  | 0.600 | ppbv  |
| B1786-09             | SG-52     | AIR    | Chloroform                     | 0.70          | J         | 1.0  | 0.200 | ppbv  |
| B1786-09             | SG-52     | AIR    | 1,1,1-Trichloroethane          | 132.00        |           | 1.0  | 0.400 | ppbv  |
| B1786-09             | SG-52     | AIR    | Benzene                        | 1.90          |           | 1.0  | 0.400 | ppbv  |
| B1786-09             | SG-52     | AIR    | Trichloroethene                | 1,220.00      | E         | 0.40 | 0.400 | ppbv  |
| B1786-09             | SG-52     | AIR    | Toluene                        | 35.60         |           | 1.0  | 0.500 | ppbv  |
| B1786-09             | SG-52     | AIR    | Tetrachloroethene              | 7,860.00      | E         | 0.30 | 0.300 | ppbv  |
| B1786-09             | SG-52     | AIR    | m/p-Xylene                     | 2.80          |           | 2.0  | 1.1   | ppbv  |
| B1786-09             | SG-52     | AIR    | Hexane                         | 2.70          |           | 1.0  | 0.400 | ppbv  |
| Total Voc :          |           |        |                                |               | 10,834.20 |      |       |       |
| Total Concentration: |           |        |                                |               | 10,834.20 |      |       |       |
| Client ID:           | SG-52DL   |        |                                |               |           |      |       |       |
| B1786-09DL           | SG-52DL   | AIR    | trans-1,2-Dichloroethene       | 72.00         | D         | 40.0 | 24    | ppbv  |
| B1786-09DL           | SG-52DL   | AIR    | cis-1,2-Dichloroethene         | 4,370.00      | D         | 40.0 | 24    | ppbv  |
| B1786-09DL           | SG-52DL   | AIR    | 1,1,1-Trichloroethane          | 220.00        | D         | 40.0 | 16    | ppbv  |
| B1786-09DL           | SG-52DL   | AIR    | Trichloroethene                | 1,730.00      | D         | 16.0 | 16    | ppbv  |
| B1786-09DL           | SG-52DL   | AIR    | Tetrachloroethene              | 22,200.00     | ED        | 12.0 | 12    | ppbv  |
| Total Voc :          |           |        |                                |               | 28,592.00 |      |       |       |
| Total Concentration: |           |        |                                |               | 28,592.00 |      |       |       |
| Client ID:           | SG-52DL2  |        |                                |               |           |      |       |       |
| B1786-09DL2          | SG-52DL2  | AIR    | cis-1,2-Dichloroethene         | 3,880.00      | D         | 400  | 240   | ppbv  |
| B1786-09DL2          | SG-52DL2  | AIR    | Trichloroethene                | 1,520.00      | D         | 160  | 160   | ppbv  |

# Hit Summary Sheet

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SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

| Sample ID            | Client ID | Matrix | Parameter                      | Concentration | C | RDL  | MDL   | Units |
|----------------------|-----------|--------|--------------------------------|---------------|---|------|-------|-------|
| B1786-09DL2          | SG-52DL2  | AIR    | Tetrachloroethene              | 22,100.00     | D | 120  | 120   | ppbv  |
| Total Voc :          |           |        |                                | 27,500.00     |   |      |       |       |
| Total Concentration: |           |        |                                | 27,500.00     |   |      |       |       |
| Client ID:           | SG-5DL    |        |                                |               |   |      |       |       |
| B1786-10DL           | SG-5DL    | AIR    | tert-butyl alcohol             | 2.40          | D | 1.0  | 1.0   | ppbv  |
| B1786-10DL           | SG-5DL    | AIR    | 1,1,2-Trichlorotrifluoroethane | 29.00         | D | 1.0  | 0.400 | ppbv  |
| B1786-10DL           | SG-5DL    | AIR    | Acetone                        | 48.80         | D | 1.0  | 1.0   | ppbv  |
| B1786-10DL           | SG-5DL    | AIR    | 2-Butanone                     | 2.00          | D | 1.0  | 1.0   | ppbv  |
| B1786-10DL           | SG-5DL    | AIR    | Benzene                        | 1.70          | D | 1.0  | 0.400 | ppbv  |
| B1786-10DL           | SG-5DL    | AIR    | Toluene                        | 13.20         | D | 1.0  | 0.500 | ppbv  |
| B1786-10DL           | SG-5DL    | AIR    | m/p-Xylene                     | 4.30          | D | 2.0  | 1.1   | ppbv  |
| Total Voc :          |           |        |                                | 101.40        |   |      |       |       |
| Total Concentration: |           |        |                                | 101.40        |   |      |       |       |
| Client ID:           | SG-6      |        |                                |               |   |      |       |       |
| B1786-02             | SG-6      | AIR    | Dichlorodifluoromethane        | 0.50          |   | 0.1  | 0.040 | ppbv  |
| B1786-02             | SG-6      | AIR    | tert-butyl alcohol             | 2.40          |   | 0.1  | 0.100 | ppbv  |
| B1786-02             | SG-6      | AIR    | Chloromethane                  | 3.80          |   | 0.1  | 0.060 | ppbv  |
| B1786-02             | SG-6      | AIR    | Bromomethane                   | 0.10          |   | 0.1  | 0.030 | ppbv  |
| B1786-02             | SG-6      | AIR    | Chloroethane                   | 0.30          |   | 0.1  | 0.070 | ppbv  |
| B1786-02             | SG-6      | AIR    | Trichlorofluoromethane         | 0.30          |   | 0.1  | 0.040 | ppbv  |
| B1786-02             | SG-6      | AIR    | 1,1,2-Trichlorotrifluoroethane | 0.10          |   | 0.1  | 0.040 | ppbv  |
| B1786-02             | SG-6      | AIR    | Heptane                        | 1.10          |   | 0.1  | 0.060 | ppbv  |
| B1786-02             | SG-6      | AIR    | Acetone                        | 70.90         | E | 0.1  | 0.100 | ppbv  |
| B1786-02             | SG-6      | AIR    | Methylene Chloride             | 0.40          |   | 0.1  | 0.050 | ppbv  |
| B1786-02             | SG-6      | AIR    | 1,1-Dichloroethane             | 0.10          | J | 0.1  | 0.040 | ppbv  |
| B1786-02             | SG-6      | AIR    | Cyclohexane                    | 0.10          |   | 0.1  | 0.080 | ppbv  |
| B1786-02             | SG-6      | AIR    | 2-Butanone                     | 2.50          |   | 0.1  | 0.100 | ppbv  |
| B1786-02             | SG-6      | AIR    | Carbon Tetrachloride           | 0.09          |   | 0.04 | 0.040 | ppbv  |
| B1786-02             | SG-6      | AIR    | Chloroform                     | 0.50          |   | 0.1  | 0.020 | ppbv  |
| B1786-02             | SG-6      | AIR    | 1,4-Dioxane                    | 1.00          |   | 0.1  | 0.090 | ppbv  |
| B1786-02             | SG-6      | AIR    | 1,1,1-Trichloroethane          | 1.20          |   | 0.1  | 0.040 | ppbv  |
| B1786-02             | SG-6      | AIR    | Tetrahydrofuran                | 0.40          |   | 0.1  | 0.080 | ppbv  |
| B1786-02             | SG-6      | AIR    | 2,2,4-Trimethylpentane         | 0.30          |   | 0.1  | 0.040 | ppbv  |
| B1786-02             | SG-6      | AIR    | Benzene                        | 1.30          |   | 0.1  | 0.040 | ppbv  |
| B1786-02             | SG-6      | AIR    | Trichloroethene                | 0.32          |   | 0.04 | 0.040 | ppbv  |
| B1786-02             | SG-6      | AIR    | 4-Methyl-2-Pentanone           | 0.50          |   | 0.1  | 0.060 | ppbv  |
| B1786-02             | SG-6      | AIR    | Toluene                        | 10.30         |   | 0.1  | 0.050 | ppbv  |
| B1786-02             | SG-6      | AIR    | Tetrachloroethene              | 4.23          |   | 0.03 | 0.030 | ppbv  |
| B1786-02             | SG-6      | AIR    | Ethyl Benzene                  | 0.60          |   | 0.1  | 0.080 | ppbv  |

# Hit Summary Sheet

SW-846

SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

| Sample ID            | Client ID | Matrix | Parameter                      | Concentration | C      | RDL  | MDL   | Units |
|----------------------|-----------|--------|--------------------------------|---------------|--------|------|-------|-------|
| B1786-02             | SG-6      | AIR    | m/p-Xylene                     | 2.50          |        | 0.2  | 0.110 | ppbv  |
| B1786-02             | SG-6      | AIR    | o-Xylene                       | 0.30          |        | 0.1  | 0.070 | ppbv  |
| B1786-02             | SG-6      | AIR    | Styrene                        | 0.10          |        | 0.1  | 0.070 | ppbv  |
| B1786-02             | SG-6      | AIR    | 1,2,4-Trimethylbenzene         | 0.10          |        | 0.1  | 0.100 | ppbv  |
| B1786-02             | SG-6      | AIR    | 4-Ethyltoluene                 | 0.20          |        | 0.1  | 0.080 | ppbv  |
| B1786-02             | SG-6      | AIR    | Hexane                         | 1.00          |        | 0.1  | 0.040 | ppbv  |
| Total Voc :          |           |        |                                |               | 107.54 |      |       |       |
| Total Concentration: |           |        |                                |               | 107.54 |      |       |       |
| Client ID:           | SG-6DL    |        |                                |               |        |      |       |       |
| B1786-02DL           | SG-6DL    | AIR    | Dichlorodifluoromethane        | 0.50          | JD     | 1.0  | 0.400 | ppbv  |
| B1786-02DL           | SG-6DL    | AIR    | tert-butyl alcohol             | 1.70          | D      | 1.0  | 1.0   | ppbv  |
| B1786-02DL           | SG-6DL    | AIR    | Chloromethane                  | 2.70          | D      | 1.0  | 0.600 | ppbv  |
| B1786-02DL           | SG-6DL    | AIR    | Heptane                        | 0.80          | JD     | 1.0  | 0.600 | ppbv  |
| B1786-02DL           | SG-6DL    | AIR    | Acetone                        | 63.80         | D      | 1.0  | 1.0   | ppbv  |
| B1786-02DL           | SG-6DL    | AIR    | 2-Butanone                     | 1.80          | D      | 1.0  | 1.0   | ppbv  |
| B1786-02DL           | SG-6DL    | AIR    | 1,1,1-Trichloroethane          | 0.90          | JD     | 1.0  | 0.400 | ppbv  |
| B1786-02DL           | SG-6DL    | AIR    | Benzene                        | 1.00          | JD     | 1.0  | 0.400 | ppbv  |
| B1786-02DL           | SG-6DL    | AIR    | Toluene                        | 7.80          | D      | 1.0  | 0.500 | ppbv  |
| B1786-02DL           | SG-6DL    | AIR    | Tetrachloroethene              | 3.40          | D      | 0.30 | 0.300 | ppbv  |
| B1786-02DL           | SG-6DL    | AIR    | m/p-Xylene                     | 1.80          | JD     | 2.0  | 1.1   | ppbv  |
| Total Voc :          |           |        |                                |               | 86.20  |      |       |       |
| Total Concentration: |           |        |                                |               | 86.20  |      |       |       |
| Client ID:           | SS-1      |        |                                |               |        |      |       |       |
| B1786-06             | SS-1      | AIR    | Dichlorodifluoromethane        | 0.60          |        | 0.1  | 0.040 | ppbv  |
| B1786-06             | SS-1      | AIR    | Chloromethane                  | 0.40          |        | 0.1  | 0.060 | ppbv  |
| B1786-06             | SS-1      | AIR    | Trichlorofluoromethane         | 29.50         | E      | 0.1  | 0.040 | ppbv  |
| B1786-06             | SS-1      | AIR    | 1,1,2-Trichlorotrifluoroethane | 0.10          | J      | 0.1  | 0.040 | ppbv  |
| B1786-06             | SS-1      | AIR    | Heptane                        | 1.40          |        | 0.1  | 0.060 | ppbv  |
| B1786-06             | SS-1      | AIR    | Acetone                        | 38.50         | E      | 0.1  | 0.100 | ppbv  |
| B1786-06             | SS-1      | AIR    | Methylene Chloride             | 4.80          |        | 0.1  | 0.050 | ppbv  |
| B1786-06             | SS-1      | AIR    | trans-1,2-Dichloroethene       | 1.80          |        | 0.1  | 0.060 | ppbv  |
| B1786-06             | SS-1      | AIR    | Cyclohexane                    | 0.10          |        | 0.1  | 0.080 | ppbv  |
| B1786-06             | SS-1      | AIR    | 2-Butanone                     | 20.50         | E      | 0.1  | 0.100 | ppbv  |
| B1786-06             | SS-1      | AIR    | Carbon Tetrachloride           | 0.07          |        | 0.04 | 0.040 | ppbv  |
| B1786-06             | SS-1      | AIR    | 1,1,1-Trichloroethane          | 0.20          |        | 0.1  | 0.040 | ppbv  |
| B1786-06             | SS-1      | AIR    | 2,2,4-Trimethylpentane         | 0.10          | J      | 0.1  | 0.040 | ppbv  |
| B1786-06             | SS-1      | AIR    | Benzene                        | 0.30          |        | 0.1  | 0.040 | ppbv  |
| B1786-06             | SS-1      | AIR    | Trichloroethene                | 0.08          |        | 0.04 | 0.040 | ppbv  |
| B1786-06             | SS-1      | AIR    | 4-Methyl-2-Pentanone           | 1.40          |        | 0.1  | 0.060 | ppbv  |

## Hit Summary Sheet

SW-846

SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

| Sample ID                   | Client ID     | Matrix | Parameter                      | Concentration | C             | RDL  | MDL   | Units |
|-----------------------------|---------------|--------|--------------------------------|---------------|---------------|------|-------|-------|
| B1786-06                    | SS-1          | AIR    | Toluene                        | 6.30          |               | 0.1  | 0.050 | ppbv  |
| B1786-06                    | SS-1          | AIR    | Tetrachloroethene              | 7.02          |               | 0.03 | 0.030 | ppbv  |
| B1786-06                    | SS-1          | AIR    | Ethyl Benzene                  | 0.60          |               | 0.1  | 0.080 | ppbv  |
| B1786-06                    | SS-1          | AIR    | m/p-Xylene                     | 1.90          |               | 0.2  | 0.110 | ppbv  |
| B1786-06                    | SS-1          | AIR    | o-Xylene                       | 0.40          |               | 0.1  | 0.070 | ppbv  |
| B1786-06                    | SS-1          | AIR    | Styrene                        | 0.70          |               | 0.1  | 0.070 | ppbv  |
| B1786-06                    | SS-1          | AIR    | 1,2,4-Trimethylbenzene         | 0.30          |               | 0.1  | 0.100 | ppbv  |
| B1786-06                    | SS-1          | AIR    | Hexane                         | 1.50          |               | 0.1  | 0.040 | ppbv  |
| <b>Total Voc :</b>          |               |        |                                |               | <b>118.57</b> |      |       |       |
| <b>Total Concentration:</b> |               |        |                                |               | <b>118.57</b> |      |       |       |
| <b>Client ID:</b>           | <b>SS-1DL</b> |        |                                |               |               |      |       |       |
| B1786-06DL                  | SS-1DL        | AIR    | Trichlorofluoromethane         | 15.20         | D             | 1.0  | 0.400 | ppbv  |
| B1786-06DL                  | SS-1DL        | AIR    | Acetone                        | 42.80         | D             | 1.0  | 1.0   | ppbv  |
| B1786-06DL                  | SS-1DL        | AIR    | Methylene Chloride             | 4.40          | D             | 1.0  | 0.500 | ppbv  |
| B1786-06DL                  | SS-1DL        | AIR    | trans-1,2-Dichloroethene       | 1.10          | D             | 1.0  | 0.600 | ppbv  |
| B1786-06DL                  | SS-1DL        | AIR    | 2-Butanone                     | 18.00         | D             | 1.0  | 1.0   | ppbv  |
| B1786-06DL                  | SS-1DL        | AIR    | 4-Methyl-2-Pentanone           | 1.20          | D             | 1.0  | 0.600 | ppbv  |
| B1786-06DL                  | SS-1DL        | AIR    | Toluene                        | 5.50          | D             | 1.0  | 0.500 | ppbv  |
| B1786-06DL                  | SS-1DL        | AIR    | Tetrachloroethene              | 5.00          | D             | 0.30 | 0.300 | ppbv  |
| B1786-06DL                  | SS-1DL        | AIR    | m/p-Xylene                     | 1.30          | JD            | 2.0  | 1.1   | ppbv  |
| B1786-06DL                  | SS-1DL        | AIR    | Hexane                         | 1.30          | D             | 1.0  | 0.400 | ppbv  |
| <b>Total Voc :</b>          |               |        |                                |               | <b>95.80</b>  |      |       |       |
| <b>Total Concentration:</b> |               |        |                                |               | <b>95.80</b>  |      |       |       |
| <b>Client ID:</b>           | <b>SS-2</b>   |        |                                |               |               |      |       |       |
| B1786-01                    | SS-2          | AIR    | Dichlorodifluoromethane        | 0.40          |               | 0.1  | 0.040 | ppbv  |
| B1786-01                    | SS-2          | AIR    | tert-butyl alcohol             | 6.10          |               | 0.1  | 0.100 | ppbv  |
| B1786-01                    | SS-2          | AIR    | Chloromethane                  | 0.40          |               | 0.1  | 0.060 | ppbv  |
| B1786-01                    | SS-2          | AIR    | Trichlorofluoromethane         | 16.30         | E             | 0.1  | 0.040 | ppbv  |
| B1786-01                    | SS-2          | AIR    | 1,1,2-Trichlorotrifluoroethane | 20.10         | E             | 0.1  | 0.040 | ppbv  |
| B1786-01                    | SS-2          | AIR    | Heptane                        | 2.30          |               | 0.1  | 0.060 | ppbv  |
| B1786-01                    | SS-2          | AIR    | 1,1-Dichloroethene             | 4.70          |               | 0.1  | 0.050 | ppbv  |
| B1786-01                    | SS-2          | AIR    | Acetone                        | 65.60         | E             | 0.1  | 0.100 | ppbv  |
| B1786-01                    | SS-2          | AIR    | Methylene Chloride             | 0.90          |               | 0.1  | 0.050 | ppbv  |
| B1786-01                    | SS-2          | AIR    | trans-1,2-Dichloroethene       | 2.20          |               | 0.1  | 0.060 | ppbv  |
| B1786-01                    | SS-2          | AIR    | 1,1-Dichloroethane             | 1.90          |               | 0.1  | 0.040 | ppbv  |
| B1786-01                    | SS-2          | AIR    | Cyclohexane                    | 0.30          |               | 0.1  | 0.080 | ppbv  |
| B1786-01                    | SS-2          | AIR    | 2-Butanone                     | 21.40         | E             | 0.1  | 0.100 | ppbv  |
| B1786-01                    | SS-2          | AIR    | Carbon Tetrachloride           | 0.07          |               | 0.04 | 0.040 | ppbv  |
| B1786-01                    | SS-2          | AIR    | cis-1,2-Dichloroethene         | 25.10         | E             | 0.1  | 0.060 | ppbv  |

# Hit Summary Sheet

SW-846

SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

| Sample ID            | Client ID | Matrix | Parameter                      | Concentration | C      | RDL    | MDL   | Units |
|----------------------|-----------|--------|--------------------------------|---------------|--------|--------|-------|-------|
| B1786-01             | SS-2      | AIR    | Chloroform                     | 1.10          | E      | 0.1    | 0.020 | ppbv  |
| B1786-01             | SS-2      | AIR    | 1,4-Dioxane                    | 0.50          |        | 0.1    | 0.090 | ppbv  |
| B1786-01             | SS-2      | AIR    | 1,1,1-Trichloroethane          | 19.60         |        | 0.1    | 0.040 | ppbv  |
| B1786-01             | SS-2      | AIR    | 2,2,4-Trimethylpentane         | 0.80          |        | 0.1    | 0.040 | ppbv  |
| B1786-01             | SS-2      | AIR    | Benzene                        | 2.30          | E      | 0.1    | 0.040 | ppbv  |
| B1786-01             | SS-2      | AIR    | Trichloroethene                | 24.60         |        | 0.04   | 0.040 | ppbv  |
| B1786-01             | SS-2      | AIR    | 4-Methyl-2-Pentanone           | 1.40          |        | 0.1    | 0.060 | ppbv  |
| B1786-01             | SS-2      | AIR    | Toluene                        | 11.60         |        | 0.1    | 0.050 | ppbv  |
| B1786-01             | SS-2      | AIR    | Tetrachloroethene              | 260.00        | E      | 0.03   | 0.030 | ppbv  |
| B1786-01             | SS-2      | AIR    | Chlorobenzene                  | 0.20          |        | 0.1    | 0.090 | ppbv  |
| B1786-01             | SS-2      | AIR    | Ethyl Benzene                  | 0.70          |        | 0.1    | 0.080 | ppbv  |
| B1786-01             | SS-2      | AIR    | m/p-Xylene                     | 2.20          |        | 0.2    | 0.110 | ppbv  |
| B1786-01             | SS-2      | AIR    | o-Xylene                       | 0.40          | J      | 0.1    | 0.070 | ppbv  |
| B1786-01             | SS-2      | AIR    | Styrene                        | 0.50          |        | 0.1    | 0.070 | ppbv  |
| B1786-01             | SS-2      | AIR    | 1,2,4-Trimethylbenzene         | 0.20          |        | 0.1    | 0.100 | ppbv  |
| B1786-01             | SS-2      | AIR    | 4-Ethyltoluene                 | 0.10          |        | 0.1    | 0.080 | ppbv  |
| B1786-01             | SS-2      | AIR    | Hexane                         | 2.80          | 496.77 | 0.1    | 0.040 | ppbv  |
| Total Voc :          |           |        |                                |               |        |        |       |       |
| Total Concentration: |           |        |                                |               |        | 496.77 |       |       |
| Client ID:           | SS-2DL    |        |                                |               |        |        |       |       |
| B1786-01DL           | SS-2DL    | AIR    | tert-butyl alcohol             | 5.50          | D      | 1.0    | 1.0   | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | Trichlorofluoromethane         | 11.50         | D      | 1.0    | 0.400 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | 1,1,2-Trichlorotrifluoroethane | 22.80         | D      | 1.0    | 0.400 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | Heptane                        | 2.10          | D      | 1.0    | 0.600 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | 1,1-Dichloroethene             | 4.10          | D      | 1.0    | 0.500 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | Acetone                        | 66.50         | D      | 1.0    | 1.0   | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | Methylene Chloride             | 1.20          | D      | 1.0    | 0.500 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | trans-1,2-Dichloroethene       | 1.80          | D      | 1.0    | 0.600 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | 1,1-Dichloroethane             | 1.70          | D      | 1.0    | 0.400 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | 2-Butanone                     | 13.10         | D      | 1.0    | 1.0   | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | cis-1,2-Dichloroethene         | 23.80         | D      | 1.0    | 0.600 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | Chloroform                     | 1.40          | D      | 1.0    | 0.200 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | 1,1,1-Trichloroethane          | 26.60         | D      | 1.0    | 0.400 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | Benzene                        | 2.00          | D      | 1.0    | 0.400 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | Trichloroethene                | 23.00         | D      | 0.40   | 0.400 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | 4-Methyl-2-Pentanone           | 1.00          | JD     | 1.0    | 0.600 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | Toluene                        | 10.60         | D      | 1.0    | 0.500 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | Tetrachloroethene              | 907.00        | ED     | 0.30   | 0.300 | ppbv  |
| B1786-01DL           | SS-2DL    | AIR    | m/p-Xylene                     | 1.50          | JD     | 2.0    | 1.1   | ppbv  |



Hit Summary Sheet  
SW-846

SDG No.: B1786

Client: AECOM Technical Services Northeast, Inc

| Sample ID            | Client ID | Matrix | Parameter         | Concentration | C        | RDL  | MDL   | Units |
|----------------------|-----------|--------|-------------------|---------------|----------|------|-------|-------|
| B1786-01DL           | SS-2DL    | AIR    | Hexane            | 2.60          | D        | 1.0  | 0.400 | ppbv  |
| Total Voc :          |           |        |                   |               | 1,129.80 |      |       |       |
| Total Concentration: |           |        |                   |               | 1,129.80 |      |       |       |
| Client ID:           | SS-2DL2   |        |                   |               |          |      |       |       |
| B1786-01DL2          | SS-2DL2   | AIR    | Tetrachloroethene | 1,320.00      | D        | 12.0 | 12    | ppbv  |
| Total Voc :          |           |        |                   |               | 1,320.00 |      |       |       |
| Total Concentration: |           |        |                   |               | 1,320.00 |      |       |       |

**DATA USABILITY SUMMARY REPORT**  
**HAZELTINE DEC SITE #1-52-005, GREENLAWN, NEW YORK**

Client: AECOM Technical Services, Inc., Bloomfield, New Jersey  
SDG: B1786 (May 7, 2010)  
Laboratory: ChemTech, Mountainside, New Jersey  
Site: Hazeltine DEC Site #1-52-005, Greenlawn, New York  
Date: May 16, 2010

| EDS ID | Client Sample ID | Laboratory Sample ID | Matrix |
|--------|------------------|----------------------|--------|
| 1      | SS-2             | B1786-01             | Air    |
| 1DL    | SS-2DL           | B1786-01DL           | Air    |
| 1DL2   | SS-2DL2          | B1786-01DL2          | Air    |
| 2      | SG-6             | B1786-02             | Air    |
| 2DL    | SG-6DL           | B1786-02DL           | Air    |
| 3      | IA-01            | B1786-03             | Air    |
| 3DL    | IA-01DL          | B1786-03DL           | Air    |
| 4      | SG-2             | B1786-04             | Air    |
| 4DL    | SG-2DL           | B1786-04DL           | Air    |
| 4DL2   | SG-2DL2          | B1786-04DL2          | Air    |
| 5      | SG-1             | B1786-05             | Air    |
| 5DL    | SG-1DL           | B1786-05DL           | Air    |
| 6      | SS-1             | B1786-06             | Air    |
| 6DL    | SS-1DL           | B1786-06DL           | Air    |
| 7      | SG-3             | B1786-07             | Air    |
| 7DL    | SG-3DL           | B1786-07DL           | Air    |
| 8      | SG-4             | B1786-08             | Air    |
| 8DL    | SG-4DL           | B1786-08DL           | Air    |
| 8DL2   | SG-4DL2          | B1786-08DL2          | Air    |
| 9      | SG-52            | B1786-09             | Air    |
| 9DL    | SG-52DL          | B1786-09DL           | Air    |
| 9DL2   | SG-52DL2         | B1786-09DL2          | Air    |
| 10     | SG-5             | B1786-10             | Air    |
| 10DL   | SG-5DL           | B1786-10DL           | Air    |
| 11     | OA-1             | B1786-11             | Air    |
| 11RE   | OA-1RE           | B1786-11RE           | Air    |

A Data Usability Summary Review was performed on the analytical data for eleven air samples collected April 1, 2010 by AECOM Technical Services, Inc. at the Hazeltine Site in Greenlawn, New York. The samples were analyzed under "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition January 1999, EPA/625/R-96/010B", Compendium Method TO-15, "Determination Of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)".



The data have been evaluated according to the protocols and quality control (QC) requirements of the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-31, Revision 4, October 2006: Validating Air Samples - Volatile Organic Analysis of Ambient Air in Canister and the reviewer's professional judgment.

### ***Organics***

The following items/criteria were reviewed for this report:

- Data Completeness
- Cover letter, Narrative, and Data Reporting Forms
- Canister Certification Blanks
- Canister Certification Pressures Differences
- Chains-of-Custody and Traffic Reports
- Holding Times
- Laboratory Control Samples
- Surrogate Spike Recoveries
- GC/MS Tuning
- Method Blank
- Initial Calibration
- Continuing Calibration
- Compound Quantitation
- Internal Standard (IS) Area Performance
- Field Duplicate Sample Precision

### **Overall Evaluation of Data and Potential Usability Issues**

There were no rejections of data.

Overall the remaining data is acceptable for the intended purposes. Data were qualified for the following deficiencies.

- Several compounds were qualified as estimated in two original analysis samples, five dilution samples and one reanalysis sample due to high and low internal standard recoveries.

### **Data Completeness**

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

### **Cover letter, Narrative, and Data Reporting Forms**

- All criteria were met

### **Canister Certification Blanks**

- The batch blank checks were non-detect or < RL.

### **Canister Certification Pressures Differences**

- All criteria were met.

### **Chains-of-Custody and Traffic Reports**

- All criteria were met

### **Holding Times**

- All samples were analyzed within 30 days for air samples.

### **Laboratory Control Samples**

- The LCS samples exhibited acceptable percent recoveries.

### **Surrogate Spike Recoveries**

- All samples exhibited acceptable surrogate %R values.

### **GC/MS Tuning**

- All criteria were met.

### **Method Blank**

- The method blanks were free of contamination.

### **Field and Trip Blanks**

- Field QC samples were not analyzed.

### **Initial Calibration**

- The initial calibration exhibited acceptable %RSD and mean RRF values.

### **Continuing Calibration**

- The continuing calibrations exhibited acceptable %D and RRF values.

### **Compound Quantitation**

- Several samples exhibited several compounds that exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed and the dilution results for these compounds should be used for reporting.
- Two compounds were manually integrated in all samples due to incorrect peak integration by the instrument software.
- EDS Sample ID #11 exhibited a low internal standard recovery in the original analysis. The sample was reanalyzed with similar results. The original analysis results should be used for reporting.

### **Sensitivity/Reporting Limits**

- NYSDOH (2006) has established matrices for the evaluation of indoor air data. For the data to be fully usable, reporting limits for the three Matrix 1 compounds (vinyl chloride, carbon tetrachloride, and trichloroethene) must be 0.25 ug/m<sup>3</sup> or lower in indoor air samples. The four Matrix 2 compounds (tetrachloroethene, cis-1,2-dichloroethene, 1,1,1-trichloroethane and 1,1-dichloroethene) must be 3 ug/m<sup>3</sup> or lower in indoor air samples. The laboratory met these reporting limits in this data package.

### **Internal Standard (IS) Area Performance**

- The following table presents samples that exceeded the -50%/+100% area criteria for internal standard areas. Non-detected results for the associated compounds are considered estimated and qualified (UJ). Positive results for the associated compounds are considered estimated and qualified (J). Non-detected compounds that exceed the lower limit by -25% area criteria are considered rejected (R) and unusable for project objectives.

| Sample ID | Internal Standard       | Area Count | Qualifier                         |
|-----------|-------------------------|------------|-----------------------------------|
| 1DL       | IS3-Chlorobenzene-d5    | High       | J - Positive associated compounds |
| 2DL       | IS3-Chlorobenzene-d5    | High       | J - Positive associated compounds |
| 6DL       | IS3-Chlorobenzene-d5    | High       | J - Positive associated compounds |
| 7DL       | IS3-Chlorobenzene-d5    | High       | J - Positive associated compounds |
| 8DL       | IS3-Chlorobenzene-d5    | High       | J - Positive associated compounds |
| 9         | IS2-1,4-Difluorobenzene | Low        | J/UJ - All associated compounds   |
| 11        | IS3-Chlorobenzene-d5    | Low        | J/UJ - All associated compounds   |
| 11RE      | IS3-Chlorobenzene-d5    | Low        | J/UJ - All associated compounds   |

### Field Duplicate Sample Precision

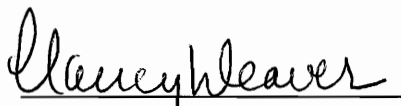
- Field duplicate results are summarized below.

| Compound                       | SG-2-0510<br>ug/m <sup>3</sup> | SG-52-0510<br>ug/m <sup>3</sup> | RPD | Qualifier |
|--------------------------------|--------------------------------|---------------------------------|-----|-----------|
| Dichlorodifluoromethane        | 1.98                           | 2.47                            | 22% | None      |
| tert-butyl Alcohol             | 4.85                           | 4.24                            | 13% | None      |
| Chloromethane                  | 1.24 U                         | 5.58                            | NC  | None      |
| Bromomethane                   | 1.16 U                         | 1.55                            | NC  | None      |
| Trichlorofluoromethane         | 2.25 U                         | 2.25                            | NC  | None      |
| 1,1,2-Trichlorotrifluoroethane | 29.1                           | 27.6                            | 5%  | None      |
| Heptane                        | 6.56                           | 2.46 U                          | NC  | None      |
| 1,1-Dichloroethene             | 24.6                           | 20.2                            | 20% | None      |
| Acetone                        | 137                            | 59.1                            | 79% | None      |
| Methylene Chloride             | 9.73                           | 25.4                            | 89% | None      |
| trans-1,2-Dichloroethene       | 314                            | 287                             | 9%  | None      |
| 1,1-Dichloroethane             | 178                            | 146                             | 20% | None      |
| 2-Butanone                     | 5.90                           | 10.9                            | 60% | None      |
| cis-1,2-Dichloroethene         | 13938                          | 17334                           | 22% | None      |
| Chloroform                     | 4.40                           | 3.42                            | 25% | None      |
| 1,1,1-Trichloroethane          | 984                            | 718                             | 31% | None      |
| Benzene                        | 7.99                           | 6.07                            | 27% | None      |
| Trichloroethene                | 6952                           | 9286                            | 29% | None      |
| Toluene                        | 68.2                           | 134                             | 65% | None      |
| Tetrachloroethene              | 132479                         | 149999                          | 12% | None      |
| Ethyl Benzene                  | 4.78                           | 3.48 U                          | NC  | None      |
| m/p-Xylene                     | 17.8                           | 12.2                            | 37% | None      |
| Hexane                         | 4.93                           | 9.52                            | 64% | None      |

### *Package Summary:*

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed:



Nancy Weaver  
Senior Chemist

Dated: 5/24/10

## **Data Qualifiers**

- J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.
- U = The analyte was analyzed for, but was not detected above the sample reporting limit.
- R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-2                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-01                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007755.D        | 1         |           | 04/09/10      | vm040810      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3       | Qualifier    | RL   | MDL                 | Units |
|----------------|--------------------------------|---------------|----------------------|--------------|------|---------------------|-------|
| <b>TARGETS</b> |                                |               |                      |              |      |                     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 2.13                 |              | 0.1  | 0.04                | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 6.1           | 18.4                 |              | 0.1  | 0.1                 | ppbv  |
| 74-87-3        | Chloromethane                  | 0.4           | 0.743                |              | 0.1  | 0.06                | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409                | U            | 0.1  | 0.1                 | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179                | U            | 0.03 | 0.07                | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116                | U            | 0.1  | 0.03                | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185                | U            | 0.1  | 0.07                | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 11.5          | <del>16.3</del> 64.6 | <del>E</del> | 1    | <del>0.1</del> 0.4  | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28                 | U            | 0.1  | 0.04                | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 22.8          | <del>20.1</del> 174  | <del>E</del> | 1    | <del>0.1</del> 0.4  | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131                | U            | 0.1  | 0.03                | ppbv  |
| 142-82-5       | Heptane                        | 2.3           | 9.47                 |              | 0.1  | 0.06                | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 4.7           | 18.5                 |              | 0.1  | 0.05                | ppbv  |
| 67-64-1        | Acetone                        | 66.5          | <del>65.6</del> 157  | <del>E</del> | 1    | <del>0.1</del> 1    | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05          | 0.156                | U            | 0.1  | 0.05                | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18                 | U            | 0.1  | 0.05                | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.9           | 3.16                 |              | 0.1  | 0.05                | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157                | U            | 0.1  | 0.05                | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 2.2           | 8.60                 |              | 0.1  | 0.06                | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 1.9           | 7.77                 |              | 0.1  | 0.04                | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.3           | 1.03                 |              | 0.1  | 0.08                | ppbv  |
| 78-93-3        | 2-Butanone                     | 13.1          | <del>21.4</del> 38.6 | <del>E</del> | 1    | <del>0.1</del> 1    | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.07          | 0.44                 |              | 0.04 | 0.04                | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 23.8          | <del>25.1</del> 94.4 | <del>E</del> | 1    | <del>0.1</del> 0.6  | ppbv  |
| 67-66-3        | Chloroform                     | 1.1           | 5.22                 |              | 0.1  | 0.02                | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.5           | 1.69                 |              | 0.1  | 0.09                | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 26.6          | <del>19.6</del> 145  | <del>E</del> | 1    | <del>0.1</del> 0.4  | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236                | U            | 0.1  | 0.08                | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.8           | 3.60                 |              | 0.1  | 0.04                | ppbv  |
| 71-43-2        | Benzene                        | 2.3           | 7.48                 |              | 0.1  | 0.04                | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283                | U            | 0.1  | 0.07                | ppbv  |
| 79-01-6        | Trichloroethene                | 23            | <del>24.6</del> 123  | <del>E</del> | 0.4  | <del>0.04</del> 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277                | U            | 0.1  | 0.06                | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335                | U            | 0.1  | 0.05                | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1.4           | 5.57                 |              | 0.1  | 0.06                | ppbv  |
| 108-88-3       | Toluene                        | 11.6          | 43.8                 |              | 0.1  | 0.05                | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318                | U            | 0.1  | 0.07                | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272                | U            | 0.1  | 0.06                | ppbv  |

llw  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-2                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-01                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007755.D        | 1         |           | 04/09/10      | vm040810      |

| CAS Number                | Parameter                 | Conc.<br>ppbv                                                  | Conc.<br>ug/M3 | Qualifier    | RL                            | MDL                           | Units   |
|---------------------------|---------------------------|----------------------------------------------------------------|----------------|--------------|-------------------------------|-------------------------------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.08                                                           | 0.436          | U            | 0.1                           | 0.08                          | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.05                                                           | 0.426          | U            | 0.1                           | 0.05                          | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.07                                                           | 0.538          | U            | 0.1                           | 0.07                          | ppbv    |
| 127-18-4                  | Tetrachloroethene         | <del>1320</del> <del>260</del> <del>8978</del> <del>1760</del> |                | <del>B</del> | <del>12</del> <del>0.03</del> | <del>12</del> <del>0.03</del> | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.2                                                            | 0.691          |              | 0.1                           | 0.09                          | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.7                                                            | 3.00           |              | 0.1                           | 0.08                          | ppbv    |
| 179601-23-1               | m/p-Xylene                | 2.2                                                            | 9.64           |              | 0.2                           | 0.11                          | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.4                                                            | 1.74           |              | 0.1                           | 0.07                          | ppbv    |
| 100-42-5                  | Styrene                   | 0.5                                                            | 1.92           |              | 0.1                           | 0.07                          | ppbv    |
| 75-25-2                   | Bromoform                 | 0.05                                                           | 0.517          | U            | 0.1                           | 0.05                          | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.1                                                            | 0.687          | U            | 0.1                           | 0.1                           | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 0.1                                                            | 0.518          | U            | 0.1                           | 0.1                           | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.09                                                           | 0.442          | U            | 0.1                           | 0.09                          | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.2                                                            | 1.18           |              | 0.1                           | 0.1                           | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.1                                                            | 0.442          | J            | 0.1                           | 0.08                          | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.08                                                           | 0.481          | U            | 0.1                           | 0.08                          | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.06                                                           | 0.361          | U            | 0.1                           | 0.06                          | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.07                                                           | 0.421          | U            | 0.1                           | 0.07                          | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.04                                                           | 0.297          | U            | 0.1                           | 0.04                          | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.08                                                           | 0.853          | U            | 0.1                           | 0.08                          | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.09                                                           | 0.199          | U            | 0.1                           | 0.09                          | ppbv    |
| 110-54-3                  | Hexane                    | 2.8                                                            | 10.0           |              | 0.1                           | 0.04                          | ppbv    |
| <b>SURROGATES</b>         |                           |                                                                |                |              |                               |                               |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.59                                                           |                |              | 96%                           | 65 - 135                      | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |                                                                |                |              |                               |                               |         |
| 74-97-5                   | Bromochloromethane        | 1405740                                                        |                | 6.18         |                               |                               |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3437050                                                        |                | 7.85         |                               |                               |         |
| 3114-55-4                 | Chlorobenzene-d5          | 2632600                                                        |                | 13.27        |                               |                               |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

new  
5/18/10



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-2DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-01DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007756.D        | 10        |           | 04/09/10      | vm040810      |

| CAS Number     | Parameter                      | Conc. ppbv | Conc. ug/M3 | Qualifier    | RL  | MDL | Units |
|----------------|--------------------------------|------------|-------------|--------------|-----|-----|-------|
| <b>TARGETS</b> |                                |            |             |              |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4        | 1.98        | U            | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 5.5        | 16.7        | <del>D</del> | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6        | 1.24        | U            | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1          | 4.10        | U            | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7        | 1.79        | U            | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3        | 1.16        | U            | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7        | 1.85        | U            | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 11.5       | 64.6        | <del>D</del> | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4        | 2.80        | U            | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 22.8       | 174         | <del>D</del> | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3        | 1.31        | U            | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 2.1        | 8.61        | <del>D</del> | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 4.1        | 16.3        | <del>D</del> | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 66.5       | 157         | <del>D</del> | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5        | 1.56        | U            | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5        | 1.80        | U            | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 1.2        | 4.17        | <del>D</del> | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5        | 1.56        | U            | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.8        | 7.14        | <del>D</del> | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 1.7        | 6.88        | <del>D</del> | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8        | 2.75        | U            | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 13.1       | 38.6        | <del>D</del> | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4        | 2.52        | U            | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 23.8       | 94.4        | <del>D</del> | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 1.4        | 6.84        | <del>D</del> | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9        | 3.24        | U            | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 26.6       | 145         | <del>D</del> | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8        | 2.36        | U            | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4        | 1.87        | U            | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 2          | 6.39        | <del>D</del> | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7        | 2.83        | U            | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 23         | 123         | <del>D</del> | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6        | 2.77        | U            | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5        | 3.35        | U            | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1          | 4.10        | <del>D</del> | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 10.6       | 39.9        | <del>D</del> | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7        | 3.18        | U            | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6        | 2.72        | U            | 1   | 0.6 | ppbv  |

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5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-2DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-01DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

*use original results*

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007756.D        | 10        |           | 04/09/10      | vm040810      |

| CAS Number                | Parameter                 | Conc. ppbv | Conc. ug/M3              | Qualifier     | RL                | MDL               | Units   |
|---------------------------|---------------------------|------------|--------------------------|---------------|-------------------|-------------------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.8        | 4.36                     | U             | 1                 | 0.8               | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.5        | 4.26                     | U             | 1                 | 0.5               | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.7        | 5.38                     | U             | 1                 | 0.7               | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 1320       | <del>907 8978 6149</del> | <del>ED</del> | <del>12 0.3</del> | <del>12 0.3</del> | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.9        | 4.14                     | U             | 1                 | 0.9               | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.8        | 3.48                     | U             | 1                 | 0.8               | ppbv    |
| 179601-23-1               | m/p-Xylene                | 1.5        | 6.52                     | J             | 2                 | 1.1               | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.7        | 3.04                     | U             | 1                 | 0.7               | ppbv    |
| 100-42-5                  | Styrene                   | 0.7        | 2.98                     | U             | 1                 | 0.7               | ppbv    |
| 75-25-2                   | Bromoform                 | 0.5        | 5.17                     | U             | 1                 | 0.5               | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1          | 6.87                     | U             | 1                 | 1                 | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 1          | 5.18                     | U             | 1                 | 1                 | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.9        | 4.42                     | U             | 1                 | 0.9               | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1          | 4.92                     | U             | 1                 | 1                 | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.8        | 3.93                     | U             | 1                 | 0.8               | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.8        | 4.81                     | U             | 1                 | 0.8               | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.6        | 3.61                     | U             | 1                 | 0.6               | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.7        | 4.21                     | U             | 1                 | 0.7               | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.4        | 2.97                     | U             | 1                 | 0.4               | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.8        | 8.53                     | U             | 1                 | 0.8               | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.9        | 1.99                     | U             | 1                 | 0.9               | ppbv    |
| 110-54-3                  | Hexane                    | 2.6        | 9.16                     | <del>U</del>  | 1                 | 0.4               | ppbv    |
| <b>SURROGATES</b>         |                           |            |                          |               |                   |                   |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.33       |                          |               | 93%               | 65 - 135          | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |            |                          |               |                   |                   |         |
| 74-97-5                   | Bromochloromethane        | 1423040    |                          | 6.16          |                   |                   |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 4734660    |                          | 7.85          |                   |                   |         |
| 3114-55-4                 | Chlorobenzene-d5          | 4567190    |                          | 13.25         |                   |                   |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

*new  
5/18/10*

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-2DL2                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-01DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007776.D        | 400       |           | 04/09/10      | vm040910      |

| CAS Number     | Parameter                      | Conc. ppbv | Conc. ug/M3 | Qualifier | RL | MDL | Units |
|----------------|--------------------------------|------------|-------------|-----------|----|-----|-------|
| <b>TARGETS</b> |                                |            |             |           |    |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 16         | 79.1        | U         | 40 | 16  | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 40         | 121         | U         | 40 | 40  | ppbv  |
| 74-87-3        | Chloromethane                  | 24         | 49.6        | U         | 40 | 24  | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 40         | 163         | U         | 40 | 40  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 28         | 71.8        | U         | 12 | 28  | ppbv  |
| 74-83-9        | Bromomethane                   | 12         | 46.6        | U         | 40 | 12  | ppbv  |
| 75-00-3        | Chloroethane                   | 28         | 73.9        | U         | 40 | 28  | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 16         | 89.9        | U         | 40 | 16  | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 16         | 111         | U         | 40 | 16  | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 16         | 122         | U         | 40 | 16  | ppbv  |
| 593-60-2       | Bromoethene                    | 12         | 52.5        | U         | 40 | 12  | ppbv  |
| 142-82-5       | Heptane                        | 24         | 98.4        | U         | 40 | 24  | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 20         | 79.3        | U         | 40 | 20  | ppbv  |
| 67-64-1        | Acetone                        | 40         | 95.0        | U         | 40 | 40  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 20         | 62.3        | U         | 40 | 20  | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 20         | 72.1        | U         | 40 | 20  | ppbv  |
| 75-09-2        | Methylene Chloride             | 20         | 69.5        | U         | 40 | 20  | ppbv  |
| 107-05-1       | Allyl Chloride                 | 20         | 62.6        | U         | 40 | 20  | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 24         | 95.2        | U         | 40 | 24  | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 16         | 64.8        | U         | 40 | 16  | ppbv  |
| 110-82-7       | Cyclohexane                    | 32         | 110         | U         | 40 | 32  | ppbv  |
| 78-93-3        | 2-Butanone                     | 40         | 117         | U         | 40 | 40  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 16         | 100         | U         | 16 | 16  | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 24         | 95.2        | U         | 40 | 24  | ppbv  |
| 67-66-3        | Chloroform                     | 8          | 39.1        | U         | 40 | 8   | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 36         | 129         | U         | 40 | 36  | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 16         | 87.3        | U         | 40 | 16  | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 32         | 94.4        | U         | 40 | 32  | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 16         | 74.7        | U         | 40 | 16  | ppbv  |
| 71-43-2        | Benzene                        | 16         | 51.1        | U         | 40 | 16  | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 28         | 113         | U         | 40 | 28  | ppbv  |
| 79-01-6        | Trichloroethene                | 16         | 86.0        | U         | 16 | 16  | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 24         | 110         | U         | 40 | 24  | ppbv  |
| 75-27-4        | Bromodichloromethane           | 20         | 133         | U         | 40 | 20  | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 24         | 98.4        | U         | 40 | 24  | ppbv  |
| 108-88-3       | Toluene                        | 20         | 75.4        | U         | 40 | 20  | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 28         | 127         | U         | 40 | 28  | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 24         | 108         | U         | 40 | 24  | ppbv  |

new  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-2DL2                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-01DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007776.D        | 400       |           | 04/09/10      | vm040910      |

| CAS Number  | Parameter                 | Conc. ppbv | Conc. ug/M3 | Qualifier | RL | MDL | Units |
|-------------|---------------------------|------------|-------------|-----------|----|-----|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 32         | 174         | U         | 40 | 32  | ppbv  |
| 124-48-1    | Dibromochloromethane      | 20         | 170         | U         | 40 | 20  | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 28         | 215         | U         | 40 | 28  | ppbv  |
| 127-18-4    | Tetrachloroethene         | 1320       | 8978        | D         | 12 | 12  | ppbv  |
| 108-90-7    | Chlorobenzene             | 36         | 165         | U         | 40 | 36  | ppbv  |
| 100-41-4    | Ethyl Benzene             | 32         | 138         | U         | 40 | 32  | ppbv  |
| 179601-23-1 | m/p-Xylene                | 44         | 191         | U         | 80 | 44  | ppbv  |
| 95-47-6     | o-Xylene                  | 28         | 121         | U         | 40 | 28  | ppbv  |
| 100-42-5    | Styrene                   | 28         | 119         | U         | 40 | 28  | ppbv  |
| 75-25-2     | Bromoform                 | 20         | 206         | U         | 40 | 20  | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 40         | 274         | U         | 40 | 40  | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 40         | 207         | U         | 40 | 40  | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 36         | 176         | U         | 40 | 36  | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 40         | 196         | U         | 40 | 40  | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 32         | 157         | U         | 40 | 32  | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 32         | 192         | U         | 40 | 32  | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 24         | 144         | U         | 40 | 24  | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 28         | 168         | U         | 40 | 28  | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 16         | 118         | U         | 40 | 16  | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 32         | 341         | U         | 40 | 32  | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 36         | 79.6        | U         | 40 | 36  | ppbv  |
| 110-54-3    | Hexane                    | 16         | 56.4        | U         | 40 | 16  | ppbv  |

### SURROGATES

|          |                         |      |  |     |          |         |
|----------|-------------------------|------|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 7.82 |  | 78% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1450150 | 6.15  |
| 540-36-3  | 1,4-Difluorobenzene | 2850330 | 7.83  |
| 3114-55-4 | Chlorobenzene-d5    | 2398900 | 13.22 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

no  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-6                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-02                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007757.D        | 1         |           | 04/09/10      | vm040810      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.5           | 2.47           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 2.4           | 7.37           |           | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 3.8           | 7.93           |           | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.1           | 0.427          |           | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.3           | 0.844          |           | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.3           | 1.52           |           | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.1           | 1.07           |           | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 1.1           | 4.63           |           | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198          | U         | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 63.8          | 151            | E         | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05          | 0.156          | U         | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.4           | 1.39           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.1           | 0.324          | J         | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.1           | 0.413          |           | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 2.5           | 7.46           |           | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.09          | 0.566          |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.5           | 2.44           |           | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 1             | 3.64           |           | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 1.2           | 6.76           |           | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.4           | 1.15           |           | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.3           | 1.45           |           | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 1.3           | 4.28           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.32          | 1.72           |           | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.5           | 2.13           |           | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 10.3          | 38.9           |           | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

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mw  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-6                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-02                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007757.D        | 1         |           | 04/09/10      | vm040810      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|-------------|---------------------------|---------------|----------------|-----------|------|------|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07 | ppbv  |
| 127-18-4    | Tetrachloroethene         | 4.23          | 28.7           |           | 0.03 | 0.03 | ppbv  |
| 108-90-7    | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 0.6           | 2.65           |           | 0.1  | 0.08 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 2.5           | 10.8           |           | 0.2  | 0.11 | ppbv  |
| 95-47-6     | o-Xylene                  | 0.3           | 1.13           |           | 0.1  | 0.07 | ppbv  |
| 100-42-5    | Styrene                   | 0.1           | 0.468          |           | 0.1  | 0.07 | ppbv  |
| 75-25-2     | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05 | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1  | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1  | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1  | 0.09 | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 0.1           | 0.541          |           | 0.1  | 0.1  | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 0.2           | 0.787          |           | 0.1  | 0.08 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09 | ppbv  |
| 110-54-3    | Hexane                    | 1             | 3.60           |           | 0.1  | 0.04 | ppbv  |

### SURROGATES

|          |                         |      |  |     |          |         |
|----------|-------------------------|------|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.09 |  | 91% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1186960 | 6.17  |
| 540-36-3  | 1,4-Difluorobenzene | 3801260 | 7.85  |
| 3114-55-4 | Chlorobenzene-d5    | 3480980 | 13.24 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

mw  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-6DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-02DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007758.D        | 10        |           | 04/09/10      | vm040810      |

| CAS Number     | Parameter                      | Conc. ppbv | Conc. ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|------------|-------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |            |             |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.5        | 2.47        | JD        | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 1.7        | 5.15        | JD        | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 2.7        | 5.58        | JD        | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1          | 4.10        | U         | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7        | 1.79        | U         | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3        | 1.16        | U         | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7        | 1.85        | U         | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.4        | 2.25        | U         | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4        | 2.80        | U         | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.4        | 3.07        | U         | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3        | 1.31        | U         | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 0.8        | 3.28        | JD        | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5        | 1.98        | U         | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 63.8       | 151         | JD        | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5        | 1.56        | U         | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5        | 1.80        | U         | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5        | 1.74        | U         | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5        | 1.56        | U         | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.6        | 2.38        | U         | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4        | 1.62        | U         | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8        | 2.75        | U         | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1.8        | 5.31        | JD        | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4        | 2.52        | U         | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.6        | 2.38        | U         | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.2        | 0.977       | U         | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9        | 3.24        | U         | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.9        | 4.91        | JD        | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8        | 2.36        | U         | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4        | 1.87        | U         | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 1          | 3.20        | JD        | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7        | 2.83        | U         | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.4        | 2.15        | U         | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6        | 2.77        | U         | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5        | 3.35        | U         | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6        | 2.46        | U         | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 7.8        | 29.4        | JD        | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7        | 3.18        | U         | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6        | 2.72        | U         | 1   | 0.6 | ppbv  |

new  
5/18/10



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-6DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-02DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

*use original results*

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007758.D        | 10        |           | 04/09/10      | vm040810      |

| CAS Number                | Parameter                 | Conc. ppbv | Conc. ug/M3 | Qualifier      | RL  | MDL      | Units   |
|---------------------------|---------------------------|------------|-------------|----------------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.8        | 4.36        | U              | 1   | 0.8      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.5        | 4.26        | U              | 1   | 0.5      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.7        | 5.38        | U              | 1   | 0.7      | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 3.4        | 23.1        | <del>U</del>   | 0.3 | 0.3      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.9        | 4.14        | U              | 1   | 0.9      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.8        | 3.48        | U              | 1   | 0.8      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 1.8        | 7.82        | J <del>U</del> | 2   | 1.1      | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.7        | 3.04        | U              | 1   | 0.7      | ppbv    |
| 100-42-5                  | Styrene                   | 0.7        | 2.98        | U              | 1   | 0.7      | ppbv    |
| 75-25-2                   | Bromoform                 | 0.5        | 5.17        | U              | 1   | 0.5      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1          | 6.87        | U              | 1   | 1        | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 1          | 5.18        | U              | 1   | 1        | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.9        | 4.42        | U              | 1   | 0.9      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1          | 4.92        | U              | 1   | 1        | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.8        | 3.93        | U              | 1   | 0.8      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.8        | 4.81        | U              | 1   | 0.8      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.6        | 3.61        | U              | 1   | 0.6      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.7        | 4.21        | U              | 1   | 0.7      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.4        | 2.97        | U              | 1   | 0.4      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.8        | 8.53        | U              | 1   | 0.8      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.9        | 1.99        | U              | 1   | 0.9      | ppbv    |
| 110-54-3                  | Hexane                    | 0.4        | 1.41        | U              | 1   | 0.4      | ppbv    |
| <b>SURROGATES</b>         |                           |            |             |                |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.3        |             |                | 93% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |            |             |                |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1436840    |             | 6.16           |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 4841670    |             | 7.84           |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 4603110    |             | 13.24          |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

*new  
5/18/10*

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | IA-01                                   | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-03                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007753.D        | 1         |           | 04/09/10      | VM040810      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3       | Qualifier    | RL   | MDL                | Units |
|----------------|--------------------------------|---------------|----------------------|--------------|------|--------------------|-------|
| <b>TARGETS</b> |                                |               |                      |              |      |                    |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.83                 |              | 0.1  | 0.04               | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 0.1           | 0.303                | U            | 0.1  | 0.1                | ppbv  |
| 74-87-3        | Chloromethane                  | 0.4           | 0.805                |              | 0.1  | 0.06               | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409                | U            | 0.1  | 0.1                | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179                | U            | 0.03 | 0.07               | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116                | U            | 0.1  | 0.03               | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185                | U            | 0.1  | 0.07               | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 7.9           | <del>19.8</del> 44.4 | <del>E</del> | 1    | <del>0.1</del> 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28                 | U            | 0.1  | 0.04               | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.1           | 0.537                | J            | 0.1  | 0.04               | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131                | U            | 0.1  | 0.03               | ppbv  |
| 142-82-5       | Heptane                        | 1             | 4.22                 |              | 0.1  | 0.06               | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198                | U            | 0.1  | 0.05               | ppbv  |
| 67-64-1        | Acetone                        | 32.8          | <del>33.6</del> 77.9 | <del>E</del> | 1    | <del>0.1</del> 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05          | 0.156                | U            | 0.1  | 0.05               | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18                 | U            | 0.1  | 0.05               | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.8           | 2.61                 |              | 0.1  | 0.05               | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157                | U            | 0.1  | 0.05               | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.4           | 5.35                 |              | 0.1  | 0.06               | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.04          | 0.162                | U            | 0.1  | 0.04               | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.1           | 0.379                |              | 0.1  | 0.08               | ppbv  |
| 78-93-3        | 2-Butanone                     | 26.3          | <del>25</del> 77.6   | <del>E</del> | 1    | <del>0.1</del> 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.06          | 0.377                |              | 0.04 | 0.04               | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06          | 0.238                | U            | 0.1  | 0.06               | ppbv  |
| 67-66-3        | Chloroform                     | 0.02          | 0.098                | U            | 0.1  | 0.02               | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324                | U            | 0.1  | 0.09               | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.1           | 0.436                | J            | 0.1  | 0.04               | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236                | U            | 0.1  | 0.08               | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.2           | 0.841                |              | 0.1  | 0.04               | ppbv  |
| 71-43-2        | Benzene                        | 0.4           | 1.25                 |              | 0.1  | 0.04               | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283                | U            | 0.1  | 0.07               | ppbv  |
| 79-01-6        | Trichloroethene                | 0.05          | 0.269                |              | 0.04 | 0.04               | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277                | U            | 0.1  | 0.06               | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335                | U            | 0.1  | 0.05               | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1.4           | 5.57                 |              | 0.1  | 0.06               | ppbv  |
| 108-88-3       | Toluene                        | 4.8           | 18.1                 |              | 0.1  | 0.05               | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318                | U            | 0.1  | 0.07               | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272                | U            | 0.1  | 0.06               | ppbv  |

5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | IA-01                                   | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-03                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007753.D        | 1         |           | 04/09/10      | VM040810      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL      | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|------|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08     | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05     | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07     | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 4.13          | 28.0           |           | 0.03 | 0.03     | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09     | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.5           | 2.00           |           | 0.1  | 0.08     | ppbv    |
| 179601-23-1               | m/p-Xylene                | 1.5           | 6.43           |           | 0.2  | 0.11     | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.3           | 1.30           |           | 0.1  | 0.07     | ppbv    |
| 100-42-5                  | Styrene                   | 0.5           | 2.13           |           | 0.1  | 0.07     | ppbv    |
| 75-25-2                   | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05     | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1  | 0.09     | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.2           | 0.934          |           | 0.1  | 0.1      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.08          | 0.393          | U         | 0.1  | 0.08     | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08     | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06     | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07     | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04     | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08     | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09     | ppbv    |
| 110-54-3                  | Hexane                    | 1             | 3.52           |           | 0.1  | 0.04     | ppbv    |
| <b>SURROGATES</b>         |                           |               |                |           |      |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 8.63          |                |           | 86%  | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |      |          |         |
| 74-97-5                   | Bromochloromethane        | 1507440       |                | 6.16      |      |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3504350       |                | 7.85      |      |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 2252620       |                | 13.25     |      |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

nw  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | IA-01DL                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-03DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007774.D        | 10        |           | 04/09/10      | vm040910      |

| CAS Number     | Parameter                      | Conc. ppbv | Conc. ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|------------|-------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |            |             |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4        | 1.98        | U         | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 1          | 3.03        | U         | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6        | 1.24        | U         | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1          | 4.10        | U         | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7        | 1.79        | U         | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3        | 1.16        | U         | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7        | 1.85        | U         | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 7.9        | 44.4        | U         | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4        | 2.80        | U         | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.4        | 3.07        | U         | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3        | 1.31        | U         | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 0.6        | 2.46        | U         | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5        | 1.98        | U         | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 32.8       | 77.9        | U         | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5        | 1.56        | U         | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5        | 1.80        | U         | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5        | 1.74        | U         | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5        | 1.56        | U         | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 1          | 3.96        | U         | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4        | 1.62        | U         | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8        | 2.75        | U         | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 26.3       | 77.6        | U         | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4        | 2.52        | U         | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.6        | 2.38        | U         | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.2        | 0.977       | U         | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9        | 3.24        | U         | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.4        | 2.18        | U         | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8        | 2.36        | U         | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4        | 1.87        | U         | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 0.4        | 1.28        | U         | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7        | 2.83        | U         | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.4        | 2.15        | U         | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6        | 2.77        | U         | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5        | 3.35        | U         | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1          | 4.10        | U         | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 3.5        | 13.2        | U         | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7        | 3.18        | U         | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6        | 2.72        | U         | 1   | 0.6 | ppbv  |

WJ  
5/18/10

## Report of Analysis

Client: AECOM Technical Services Northeast, Inc Date Collected: 04/01/10  
Project: AIR-Hazeltine DEC site#1-52-005 Date Received: 04/05/10  
Client Sample ID: IA-01DL SDG No.: B1786  
Lab Sample ID: B1786-03DL Matrix: AIR  
Analytical Method: TO-15 Test: TO-15  
Sample Wt/Vol: 400 Units: mL

*use original results*

File ID/Qc Batch: VM007774.D Dilution: 10 Prep Date: 04/09/10 Date Analyzed: 04/09/10 Prep Batch ID: vm040910

| CAS Number                | Parameter                 | Conc. ppbv | Conc. ug/M3 | Qualifier    | RL  | MDL      | Units   |
|---------------------------|---------------------------|------------|-------------|--------------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.8        | 4.36        | U            | 1   | 0.8      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.5        | 4.26        | U            | 1   | 0.5      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.7        | 5.38        | U            | 1   | 0.7      | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 3          | 20.3        | <del>D</del> | 0.3 | 0.3      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.9        | 4.14        | U            | 1   | 0.9      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.8        | 3.48        | U            | 1   | 0.8      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 1.1        | 4.78        | U            | 2   | 1.1      | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.7        | 3.04        | U            | 1   | 0.7      | ppbv    |
| 100-42-5                  | Styrene                   | 0.7        | 2.98        | U            | 1   | 0.7      | ppbv    |
| 75-25-2                   | Bromoform                 | 0.5        | 5.17        | U            | 1   | 0.5      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1          | 6.87        | U            | 1   | 1        | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 1          | 5.18        | U            | 1   | 1        | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.9        | 4.42        | U            | 1   | 0.9      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1          | 4.92        | U            | 1   | 1        | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.8        | 3.93        | U            | 1   | 0.8      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.8        | 4.81        | U            | 1   | 0.8      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.6        | 3.61        | U            | 1   | 0.6      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.7        | 4.21        | U            | 1   | 0.7      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.4        | 2.97        | U            | 1   | 0.4      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.8        | 8.53        | U            | 1   | 0.8      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.9        | 1.99        | U            | 1   | 0.9      | ppbv    |
| 110-54-3                  | Hexane                    | 0.4        | 1.41        | U            | 1   | 0.4      | ppbv    |
| <b>SURROGATES</b>         |                           |            |             |              |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 7.87       |             |              | 79% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |            |             |              |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1601410    |             | 6.16         |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3103700    |             | 7.83         |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 2570730    |             | 13.23        |     |          |         |

U = Not Detected  
RL = Reporting Limit  
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

*new  
5/18/10*

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-2                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-04                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007817.D        | 10        |           | 04/13/10      | VM041210      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3             | Qualifier    | RL   | MDL           | Units |
|----------------|--------------------------------|---------------|----------------------------|--------------|------|---------------|-------|
| <b>TARGETS</b> |                                |               |                            |              |      |               |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.98                       | J            | 1    | 0.4           | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 1.6           | 4.85                       |              | 1    | 1             | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6           | 1.24                       | U            | 1    | 0.6           | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10                       | U            | 1    | 1             | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79                       | U            | 0.3  | 0.7           | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3           | 1.16                       | U            | 1    | 0.3           | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85                       | U            | 1    | 0.7           | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.4           | 2.25                       | U            | 1    | 0.4           | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80                       | U            | 1    | 0.4           | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 3.8           | 29.1                       |              | 1    | 0.4           | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31                       | U            | 1    | 0.3           | ppbv  |
| 142-82-5       | Heptane                        | 1.6           | 6.56                       |              | 1    | 0.6           | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 6.2           | 24.6                       |              | 1    | 0.5           | ppbv  |
| 67-64-1        | Acetone                        | 57.7          | 137                        |              | 1    | 1             | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56                       | U            | 1    | 0.5           | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80                       | U            | 1    | 0.5           | ppbv  |
| 75-09-2        | Methylene Chloride             | 2.8           | 9.73                       |              | 1    | 0.5           | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56                       | U            | 1    | 0.5           | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 79.4          | 314                        |              | 1    | 0.6           | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 44.1          | 178                        |              | 1    | 0.4           | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75                       | U            | 1    | 0.8           | ppbv  |
| 78-93-3        | 2-Butanone                     | 2             | 5.90                       |              | 1    | 1             | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52                       | U            | 0.4  | 0.4           | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 3520          | <del>1650/13938/6530</del> | <del>E</del> | 44   | <del>26</del> | ppbv  |
| 67-66-3        | Chloroform                     | 0.9           | 4.40                       | J            | 1    | 0.2           | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24                       | U            | 1    | 0.9           | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 180           | <del>229/984/1249</del>    | <del>E</del> | 44   | <del>18</del> | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36                       | U            | 1    | 0.8           | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87                       | U            | 1    | 0.4           | ppbv  |
| 71-43-2        | Benzene                        | 2.5           | 7.99                       |              | 1    | 0.4           | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83                       | U            | 1    | 0.7           | ppbv  |
| 79-01-6        | Trichloroethene                | 1290          | <del>1160/6952/6258</del>  | <del>E</del> | 17.6 | <del>18</del> | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77                       | U            | 1    | 0.6           | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35                       | U            | 1    | 0.5           | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6           | 2.46                       | U            | 1    | 0.6           | ppbv  |
| 108-88-3       | Toluene                        | 18.1          | 68.2                       |              | 1    | 0.5           | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18                       | U            | 1    | 0.7           | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72                       | U            | 1    | 0.6           | ppbv  |

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## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-2                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-04                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007817.D        | 10        |           | 04/13/10      | VM041210      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL | MDL | Units |
|-------------|---------------------------|---------------|----------------|-----------|----|-----|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 0.8           | 4.36           | U         | 1  | 0.8 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 0.5           | 4.26           | U         | 1  | 0.5 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 0.7           | 5.38           | U         | 1  | 0.7 | ppbv  |
| 127-18-4    | Tetrachloroethene         | 0.9           | 4.14           | U         | 1  | 0.9 | ppbv  |
| 108-90-7    | Chlorobenzene             | 1.1           | 4.78           | U         | 1  | 0.8 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 4.1           | 17.8           | U         | 2  | 1.1 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 0.7           | 3.04           | U         | 1  | 0.7 | ppbv  |
| 95-47-6     | o-Xylene                  | 0.7           | 2.98           | U         | 1  | 0.7 | ppbv  |
| 100-42-5    | Styrene                   | 0.5           | 5.17           | U         | 1  | 0.5 | ppbv  |
| 75-25-2     | Bromoform                 | 1             | 6.87           | U         | 1  | 1   | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 1             | 5.18           | U         | 1  | 1   | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 0.9           | 4.42           | U         | 1  | 0.9 | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 1             | 4.92           | U         | 1  | 1   | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 0.8           | 3.93           | U         | 1  | 0.8 | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 0.8           | 4.81           | U         | 1  | 0.8 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.6           | 3.61           | U         | 1  | 0.6 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.7           | 4.21           | U         | 1  | 0.7 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.4           | 2.97           | U         | 1  | 0.4 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.8           | 8.53           | U         | 1  | 0.8 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.9           | 1.99           | U         | 1  | 0.9 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 1.4           | 4.93           | U         | 1  | 0.4 | ppbv  |
| 110-54-3    | Hexane                    |               |                |           |    |     |       |

### SURROGATES

|          |                         |      |  |     |          |         |
|----------|-------------------------|------|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.33 |  | 93% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |      |
|-----------|---------------------|---------|------|
| 74-97-5   | Bromochloromethane  | 1491980 | 6.11 |
| 540-36-3  | 1,4-Difluorobenzene | 3642590 | 7.78 |
| 3114-55-4 | Chlorobenzene-d5    | 3579770 | 13.2 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

nw  
5/18/10



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-2DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-04DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007792.D        | 440       |           | 04/10/10      | vm040910      |

| CAS Number     | Parameter                      | Conc. ppbv | Conc. ug/M3 | Qualifier | RL   | MDL | Units |
|----------------|--------------------------------|------------|-------------|-----------|------|-----|-------|
| <b>TARGETS</b> |                                |            |             |           |      |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 18         | 89.0        | U         | 44   | 18  | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 44         | 133         | U         | 44   | 44  | ppbv  |
| 74-87-3        | Chloromethane                  | 26         | 53.7        | U         | 44   | 26  | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 44         | 180         | U         | 44   | 44  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 31         | 79.2        | U         | 13.2 | 31  | ppbv  |
| 74-83-9        | Bromomethane                   | 13         | 50.5        | U         | 44   | 13  | ppbv  |
| 75-00-3        | Chloroethane                   | 31         | 81.8        | U         | 44   | 31  | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 18         | 101         | U         | 44   | 18  | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 18         | 125         | U         | 44   | 18  | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 18         | 137         | U         | 44   | 18  | ppbv  |
| 593-60-2       | Bromoethene                    | 13         | 56.8        | U         | 44   | 13  | ppbv  |
| 142-82-5       | Heptane                        | 26         | 106         | U         | 44   | 26  | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 22         | 87.2        | U         | 44   | 22  | ppbv  |
| 67-64-1        | Acetone                        | 44         | 104         | U         | 44   | 44  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 22         | 68.5        | U         | 44   | 22  | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 22         | 79.3        | U         | 44   | 22  | ppbv  |
| 75-09-2        | Methylene Chloride             | 22         | 76.4        | U         | 44   | 22  | ppbv  |
| 107-05-1       | Allyl Chloride                 | 22         | 68.9        | U         | 44   | 22  | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 44         | 174         | U         | 44   | 26  | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 18         | 72.9        | U         | 44   | 18  | ppbv  |
| 110-82-7       | Cyclohexane                    | 35         | 120         | U         | 44   | 35  | ppbv  |
| 78-93-3        | 2-Butanone                     | 44         | 129         | U         | 44   | 44  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 18         | 113         | U         | 17.6 | 18  | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 3520       | 13938       | U         | 44   | 26  | ppbv  |
| 67-66-3        | Chloroform                     | 8.8        | 43.0        | U         | 44   | 8.8 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 40         | 144         | U         | 44   | 40  | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 180        | 984         | U         | 44   | 18  | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 35         | 103         | U         | 44   | 35  | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 18         | 84.1        | U         | 44   | 18  | ppbv  |
| 71-43-2        | Benzene                        | 18         | 57.5        | U         | 44   | 18  | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 31         | 125         | U         | 44   | 31  | ppbv  |
| 79-01-6        | Trichloroethene                | 1290       | 6952        | U         | 17.6 | 18  | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 26         | 120         | U         | 44   | 26  | ppbv  |
| 75-27-4        | Bromodichloromethane           | 22         | 147         | U         | 44   | 22  | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 26         | 106         | U         | 44   | 26  | ppbv  |
| 108-88-3       | Toluene                        | 22         | 82.9        | U         | 44   | 22  | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 31         | 140         | U         | 44   | 31  | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 26         | 118         | U         | 44   | 26  | ppbv  |

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5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-2DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-04DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007792.D        | 440       |           | 04/10/10      | vm040910      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL | Units |
|-------------|---------------------------|---------------|----------------|-----------|-----|-----|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 35            | 190            | U         | 44  | 35  | ppbv  |
| 124-48-1    | Dibromochloromethane      | 22            | 187            | U         | 44  | 22  | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 31            | 238            | U         | 44  | 31  | ppbv  |
| 127-18-4    | Tetrachloroethene         | 23700         | 13247          | ED        | 132 | 130 | ppbv  |
| 108-90-7    | Chlorobenzene             | 40            | 184            | U         | 44  | 40  | ppbv  |
| 100-41-4    | Ethyl Benzene             | 35            | 152            | U         | 44  | 35  | ppbv  |
| 179601-23-1 | m/p-Xylene                | 48            | 208            | U         | 88  | 48  | ppbv  |
| 95-47-6     | o-Xylene                  | 31            | 134            | U         | 44  | 31  | ppbv  |
| 100-42-5    | Styrene                   | 31            | 131            | U         | 44  | 31  | ppbv  |
| 75-25-2     | Bromoform                 | 22            | 227            | U         | 44  | 22  | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 44            | 302            | U         | 44  | 44  | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 44            | 227            | U         | 44  | 44  | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 40            | 196            | U         | 44  | 40  | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 44            | 216            | U         | 44  | 44  | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 35            | 172            | U         | 44  | 35  | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 35            | 210            | U         | 44  | 35  | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 26            | 156            | U         | 44  | 26  | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 31            | 186            | U         | 44  | 31  | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 18            | 133            | U         | 44  | 18  | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 35            | 373            | U         | 44  | 35  | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 40            | 88.5           | U         | 44  | 40  | ppbv  |
| 110-54-3    | Hexane                    | 18            | 63.4           | U         | 44  | 18  | ppbv  |

### SURROGATES

|          |                         |      |  |     |          |         |
|----------|-------------------------|------|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 8.03 |  | 80% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1480120 | 6.12  |
| 540-36-3  | 1,4-Difluorobenzene | 3516010 | 7.78  |
| 3114-55-4 | Chlorobenzene-d5    | 2797020 | 13.18 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

new  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-2DL2                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-04DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007812.D        | 4400      |           | 04/13/10      | VM041210      |

| CAS Number     | Parameter                      | Conc. ppbv | Conc. ug/M3 | Qualifier | RL  | MDL | Units |
|----------------|--------------------------------|------------|-------------|-----------|-----|-----|-------|
| <b>TARGETS</b> |                                |            |             |           |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 180        | 890         | U         | 440 | 180 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 440        | 1333        | U         | 440 | 440 | ppbv  |
| 74-87-3        | Chloromethane                  | 260        | 536         | U         | 440 | 260 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 440        | 1801        | U         | 440 | 440 | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 310        | 792         | U         | 132 | 310 | ppbv  |
| 74-83-9        | Bromomethane                   | 130        | 504         | U         | 440 | 130 | ppbv  |
| 75-00-3        | Chloroethane                   | 310        | 818         | U         | 440 | 310 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 180        | 1011        | U         | 440 | 180 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 180        | 1258        | U         | 440 | 180 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 180        | 1379        | U         | 440 | 180 | ppbv  |
| 593-60-2       | Bromoethene                    | 130        | 568         | U         | 440 | 130 | ppbv  |
| 142-82-5       | Heptane                        | 260        | 1065        | U         | 440 | 260 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 220        | 872         | U         | 440 | 220 | ppbv  |
| 67-64-1        | Acetone                        | 440        | 1045        | U         | 440 | 440 | ppbv  |
| 75-15-0        | Carbon Disulfide               | 220        | 685         | U         | 440 | 220 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 220        | 793         | U         | 440 | 220 | ppbv  |
| 75-09-2        | Methylene Chloride             | 220        | 764         | U         | 440 | 220 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 220        | 688         | U         | 440 | 220 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 260        | 1030        | U         | 440 | 260 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 180        | 728         | U         | 440 | 180 | ppbv  |
| 110-82-7       | Cyclohexane                    | 350        | 1204        | U         | 440 | 350 | ppbv  |
| 78-93-3        | 2-Butanone                     | 440        | 1297        | U         | 440 | 440 | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 180        | 1132        | U         | 176 | 180 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 2950       | 11688       | U         | 440 | 260 | ppbv  |
| 67-66-3        | Chloroform                     | 88         | 429         | U         | 440 | 88  | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 400        | 1441        | U         | 440 | 400 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 180        | 982         | U         | 440 | 180 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 350        | 1032        | U         | 440 | 350 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 180        | 840         | U         | 440 | 180 | ppbv  |
| 71-43-2        | Benzene                        | 180        | 575         | U         | 440 | 180 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 310        | 1254        | U         | 440 | 310 | ppbv  |
| 79-01-6        | Trichloroethene                | 1100       | 5911        | U         | 176 | 180 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 260        | 1201        | U         | 440 | 260 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 220        | 1473        | U         | 440 | 220 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 260        | 1065        | U         | 440 | 260 | ppbv  |
| 108-88-3       | Toluene                        | 220        | 829         | U         | 440 | 220 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 310        | 1407        | U         | 440 | 310 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 260        | 1180        | U         | 440 | 260 | ppbv  |

new  
5/19/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-2DL2                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-04DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007812.D        | 4400      |           | 04/13/10      | VM041210      |

| CAS Number  | Parameter                 | Conc. ppbv | Conc. ug/M3 | Qualifier | RL  | MDL | Units |
|-------------|---------------------------|------------|-------------|-----------|-----|-----|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 350        | 1909        | U         | 440 | 350 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 220        | 1874        | U         | 440 | 220 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 310        | 2382        | U         | 440 | 310 | ppbv  |
| 127-18-4    | Tetrachloroethene         | 19500      | 132477      | B         | 132 | 130 | ppbv  |
| 108-90-7    | Chlorobenzene             | 400        | 1842        | U         | 440 | 400 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 350        | 1520        | U         | 440 | 350 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 480        | 2084        | U         | 880 | 480 | ppbv  |
| 95-47-6     | o-Xylene                  | 310        | 1346        | U         | 440 | 310 | ppbv  |
| 100-42-5    | Styrene                   | 310        | 1319        | U         | 440 | 310 | ppbv  |
| 75-25-2     | Bromoform                 | 220        | 2274        | U         | 440 | 220 | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 440        | 3021        | U         | 440 | 440 | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 440        | 2278        | U         | 440 | 440 | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 400        | 1966        | U         | 440 | 400 | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 440        | 2163        | U         | 440 | 440 | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 350        | 1720        | U         | 440 | 350 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 350        | 2104        | U         | 440 | 350 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 260        | 1563        | U         | 440 | 260 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 310        | 1863        | U         | 440 | 310 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 180        | 1336        | U         | 440 | 180 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 350        | 3733        | U         | 440 | 350 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 400        | 884         | U         | 440 | 400 | ppbv  |
| 110-54-3    | Hexane                    | 180        | 634         | U         | 440 | 180 | ppbv  |

### SURROGATES

|          |                         |      |  |     |          |         |
|----------|-------------------------|------|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.46 |  | 95% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1609270 | 6.1   |
| 540-36-3  | 1,4-Difluorobenzene | 4605530 | 7.77  |
| 3114-55-4 | Chlorobenzene-d5    | 4454050 | 13.16 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

ms  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-1                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-05                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007779.D        | 1         |           | 04/09/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.73           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 3             | 9.03           |           | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.1           | 0.268          |           | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116          | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185          | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.2           | 1.18           |           | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.5           | 3.99           |           | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 6.6           | 27.2           |           | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.2           | 0.793          |           | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 116           | 92.5           | 275       | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 6.9           | 21.4           |           | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 1.8           | 6.36           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.04          | 0.162          | U         | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 1.7           | 5.99           |           | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 10.1          | 29.9           |           | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.18          | 1.13           |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.1           | 0.476          |           | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.02          | 0.098          | U         | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324          | U         | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.3           | 1.36           |           | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 10.1          | 29.8           |           | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 3.2           | 15.0           |           | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 12.9          | 41.1           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.32          | 1.72           |           | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.06          | 0.246          | U         | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 40.4          | 45.4           | 152       | 0.1  | 0.5  | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-1                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-05                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007779.D        | 1         |           | 04/09/10      | vm040910      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|-------------|---------------------------|---------------|----------------|-----------|------|------|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07 | ppbv  |
| 127-18-4    | Tetrachloroethene         | 0.9           | 6.10           |           | 0.03 | 0.03 | ppbv  |
| 108-90-7    | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 2.4           | 10.5           |           | 0.1  | 0.08 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 7.8           | 33.8           |           | 0.2  | 0.11 | ppbv  |
| 95-47-6     | o-Xylene                  | 1.7           | 7.30           |           | 0.1  | 0.07 | ppbv  |
| 100-42-5    | Styrene                   | 0.9           | 3.83           |           | 0.1  | 0.07 | ppbv  |
| 75-25-2     | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05 | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1  | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1  | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.1           | 0.59           |           | 0.1  | 0.09 | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 0.5           | 2.21           |           | 0.1  | 0.1  | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 0.4           | 1.97           |           | 0.1  | 0.08 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09 | ppbv  |
| 110-54-3    | Hexane                    | 15.4          | 59.3           | E         | 0.1  | 0.4  | ppbv  |

### SURROGATES

|          |                         |      |  |     |          |         |
|----------|-------------------------|------|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.19 |  | 92% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1244970 | 6.15  |
| 540-36-3  | 1,4-Difluorobenzene | 2678170 | 7.83  |
| 3114-55-4 | Chlorobenzene-d5    | 2571120 | 13.22 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

nw  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-IDL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-05DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007809.D        | 10        |           | 04/12/10      | VM041210      |

| CAS Number     | Parameter                      | Conc. ppbv | Conc. ug/M3 | Qualifier    | RL  | MDL | Units |
|----------------|--------------------------------|------------|-------------|--------------|-----|-----|-------|
| <b>TARGETS</b> |                                |            |             |              |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4        | 1.98        | U            | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 2.4        | 7.28        | <del>U</del> | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6        | 1.24        | U            | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1          | 4.10        | U            | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7        | 1.79        | U            | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3        | 1.16        | U            | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7        | 1.85        | U            | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.4        | 2.25        | U            | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4        | 2.80        | U            | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.4        | 3.07        | U            | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3        | 1.31        | U            | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 7.3        | 29.9        | <del>U</del> | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5        | 1.98        | U            | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 116        | 275         | <del>U</del> | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 5.9        | 18.4        | <del>U</del> | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5        | 1.80        | U            | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 2.4        | 8.34        | <del>U</del> | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5        | 1.56        | U            | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.6        | 2.38        | U            | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4        | 1.62        | U            | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 1.9        | 6.54        | <del>U</del> | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 7.6        | 22.4        | <del>U</del> | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4        | 2.52        | U            | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.6        | 2.38        | U            | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.2        | 0.977       | U            | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9        | 3.24        | U            | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.4        | 2.18        | U            | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 8.9        | 26.2        | <del>U</del> | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 3.2        | 14.9        | <del>U</del> | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 11.4       | 36.4        | <del>U</del> | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7        | 2.83        | U            | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.4        | 2.15        | U            | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6        | 2.77        | U            | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5        | 3.35        | U            | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6        | 2.46        | U            | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 40.4       | 152         | <del>U</del> | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7        | 3.18        | U            | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6        | 2.72        | U            | 1   | 0.6 | ppbv  |

WU  
5/18/10



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-1DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-05DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

*use original results*

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007809.D        | 10        |           | 04/12/10      | VM041210      |

| CAS Number  | Parameter                 | Conc. ppbv | Conc. ug/M3 | Qualifier    | RL  | MDL | Units |
|-------------|---------------------------|------------|-------------|--------------|-----|-----|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 0.8        | 4.36        | U            | 1   | 0.8 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 0.5        | 4.26        | U            | 1   | 0.5 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 0.7        | 5.38        | U            | 1   | 0.7 | ppbv  |
| 127-18-4    | Tetrachloroethene         | 0.6        | 4.07        | <del>U</del> | 0.3 | 0.3 | ppbv  |
| 108-90-7    | Chlorobenzene             | 0.9        | 4.14        | U            | 1   | 0.9 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 2          | 8.69        | <del>U</del> | 1   | 0.8 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 6.5        | 28.2        | <del>U</del> | 2   | 1.1 | ppbv  |
| 95-47-6     | o-Xylene                  | 1.3        | 5.65        | <del>U</del> | 1   | 0.7 | ppbv  |
| 100-42-5    | Styrene                   | 0.7        | 2.98        | U            | 1   | 0.7 | ppbv  |
| 75-25-2     | Bromoform                 | 0.5        | 5.17        | U            | 1   | 0.5 | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 1          | 6.87        | U            | 1   | 1   | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 1          | 5.18        | U            | 1   | 1   | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.9        | 4.42        | U            | 1   | 0.9 | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 1          | 4.92        | U            | 1   | 1   | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 0.8        | 3.93        | U            | 1   | 0.8 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.8        | 4.81        | U            | 1   | 0.8 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.6        | 3.61        | U            | 1   | 0.6 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.7        | 4.21        | U            | 1   | 0.7 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.4        | 2.97        | U            | 1   | 0.4 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.8        | 8.53        | U            | 1   | 0.8 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 0.9        | 1.99        | U            | 1   | 0.9 | ppbv  |
| 110-54-3    | Hexane                    | 15.4       | 54.3        | <del>U</del> | 1   | 0.4 | ppbv  |

### SURROGATES

|          |                         |     |  |     |          |         |
|----------|-------------------------|-----|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.6 |  | 96% | 65 - 135 | SPK: 10 |
|----------|-------------------------|-----|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1441230 | 6.1   |
| 540-36-3  | 1,4-Difluorobenzene | 3726870 | 7.77  |
| 3114-55-4 | Chlorobenzene-d5    | 3455850 | 13.16 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

*ms*  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-1                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-06                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007764.D        | 1         |           | 04/09/10      | vm040810      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3       | Qualifier    | RL                 | MDL             | Units |
|----------------|--------------------------------|---------------|----------------------|--------------|--------------------|-----------------|-------|
| <b>TARGETS</b> |                                |               |                      |              |                    |                 |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.6           | 2.77                 |              | 0.1                | 0.04            | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 0.1           | 0.303                | U            | 0.1                | 0.1             | ppbv  |
| 74-87-3        | Chloromethane                  | 0.4           | 0.743                |              | 0.1                | 0.06            | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409                | U            | 0.1                | 0.1             | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179                | U            | 0.03               | 0.07            | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116                | U            | 0.1                | 0.03            | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185                | U            | 0.1                | 0.07            | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 15.2          | <del>29.5</del> 85.4 | <del>E</del> | <del>0.1</del> 0.4 | <del>0.04</del> | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28                 | U            | 0.1                | 0.04            | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.1           | 0.766                | J            | 0.1                | 0.04            | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131                | U            | 0.1                | 0.03            | ppbv  |
| 142-82-5       | Heptane                        | 1.4           | 5.74                 |              | 0.1                | 0.06            | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198                | U            | 0.1                | 0.05            | ppbv  |
| 67-64-1        | Acetone                        | 42.8          | <del>28.5</del> 101  | <del>E</del> | <del>0.1</del> 1   | <del>0.04</del> | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05          | 0.156                | U            | 0.1                | 0.05            | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18                 | U            | 0.1                | 0.05            | ppbv  |
| 75-09-2        | Methylene Chloride             | 4.8           | 16.7                 |              | 0.1                | 0.05            | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157                | U            | 0.1                | 0.05            | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.8           | 6.94                 |              | 0.1                | 0.06            | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.04          | 0.162                | U            | 0.1                | 0.04            | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.1           | 0.482                |              | 0.1                | 0.08            | ppbv  |
| 78-93-3        | 2-Butanone                     | 18            | <del>20.5</del> 53.1 | <del>E</del> | <del>0.1</del> 1   | <del>0.04</del> | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.07          | 0.44                 |              | 0.04               | 0.04            | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06          | 0.238                | U            | 0.1                | 0.06            | ppbv  |
| 67-66-3        | Chloroform                     | 0.02          | 0.098                | U            | 0.1                | 0.02            | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324                | U            | 0.1                | 0.09            | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.2           | 0.873                |              | 0.1                | 0.04            | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236                | U            | 0.1                | 0.08            | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.1           | 0.374                | J            | 0.1                | 0.04            | ppbv  |
| 71-43-2        | Benzene                        | 0.3           | 1.02                 |              | 0.1                | 0.04            | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283                | U            | 0.1                | 0.07            | ppbv  |
| 79-01-6        | Trichloroethene                | 0.08          | 0.43                 |              | 0.04               | 0.04            | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277                | U            | 0.1                | 0.06            | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335                | U            | 0.1                | 0.05            | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1.4           | 5.82                 |              | 0.1                | 0.06            | ppbv  |
| 108-88-3       | Toluene                        | 6.3           | 23.6                 |              | 0.1                | 0.05            | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318                | U            | 0.1                | 0.07            | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272                | U            | 0.1                | 0.06            | ppbv  |

hwp  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-1                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-06                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007764.D        | 1         |           | 04/09/10      | vm040810      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|-------------|---------------------------|---------------|----------------|-----------|------|------|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07 | ppbv  |
| 127-18-4    | Tetrachloroethene         | 7.02          | 47.6           |           | 0.03 | 0.03 | ppbv  |
| 108-90-7    | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 0.6           | 2.48           |           | 0.1  | 0.08 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 1.9           | 8.30           |           | 0.2  | 0.11 | ppbv  |
| 95-47-6     | o-Xylene                  | 0.4           | 1.65           |           | 0.1  | 0.07 | ppbv  |
| 100-42-5    | Styrene                   | 0.7           | 2.77           |           | 0.1  | 0.07 | ppbv  |
| 75-25-2     | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05 | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1  | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1  | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1  | 0.09 | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 0.3           | 1.28           |           | 0.1  | 0.1  | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 0.08          | 0.393          | U         | 0.1  | 0.08 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09 | ppbv  |
| 110-54-3    | Hexane                    | 1.5           | 5.22           |           | 0.1  | 0.04 | ppbv  |

### SURROGATES

|          |                         |      |  |      |          |         |
|----------|-------------------------|------|--|------|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 10.3 |  | 103% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|------|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1278070 | 6.16  |
| 540-36-3  | 1,4-Difluorobenzene | 4152800 | 7.84  |
| 3114-55-4 | Chlorobenzene-d5    | 3437890 | 13.24 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

nw  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-1DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-06DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use  
original  
results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007780.D        | 10        |           | 04/09/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier    | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|--------------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |              |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.98           | U            | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 1             | 3.03           | U            | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6           | 1.24           | U            | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10           | U            | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79           | U            | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3           | 1.16           | U            | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85           | U            | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 15.2          | 85.4           | <del>U</del> | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80           | U            | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.4           | 3.07           | U            | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31           | U            | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 0.6           | 2.46           | U            | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5           | 1.98           | U            | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 42.8          | 101            | <del>U</del> | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56           | U            | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80           | U            | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 4.4           | 15.3           | <del>U</del> | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56           | <del>U</del> | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.1           | 4.36           | <del>U</del> | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4           | 1.62           | U            | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75           | U            | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 18            | 53.1           | <del>U</del> | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52           | U            | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.6           | 2.38           | U            | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.2           | 0.977          | U            | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24           | U            | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.4           | 2.18           | U            | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36           | U            | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87           | U            | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 0.4           | 1.28           | U            | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83           | U            | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.4           | 2.15           | U            | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77           | U            | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35           | U            | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1.2           | 4.92           | <del>U</del> | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 5.5           | 20.7           | <del>U</del> | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18           | U            | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72           | U            | 1   | 0.6 | ppbv  |

up  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SS-1DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-06DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

use  
original  
results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007780.D        | 10        |           | 04/09/10      | vm040910      |

| CAS Number         | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier      | RL  | MDL      | Units   |
|--------------------|---------------------------|---------------|----------------|----------------|-----|----------|---------|
| 79-00-5            | 1,1,2-Trichloroethane     | 0.8           | 4.36           | U              | 1   | 0.8      | ppbv    |
| 124-48-1           | Dibromochloromethane      | 0.5           | 4.26           | U              | 1   | 0.5      | ppbv    |
| 106-93-4           | 1,2-Dibromoethane         | 0.7           | 5.38           | U              | 1   | 0.7      | ppbv    |
| 127-18-4           | Tetrachloroethene         | 5             | 33.9           | <del>B</del>   | 0.3 | 0.3      | ppbv    |
| 108-90-7           | Chlorobenzene             | 0.9           | 4.14           | U              | 1   | 0.9      | ppbv    |
| 100-41-4           | Ethyl Benzene             | 0.8           | 3.48           | U              | 1   | 0.8      | ppbv    |
| 179601-23-1        | m/p-Xylene                | 1.3           | 5.65           | J <del>B</del> | 2   | 1.1      | ppbv    |
| 95-47-6            | o-Xylene                  | 0.7           | 3.04           | U              | 1   | 0.7      | ppbv    |
| 100-42-5           | Styrene                   | 0.7           | 2.98           | U              | 1   | 0.7      | ppbv    |
| 75-25-2            | Bromoform                 | 0.5           | 5.17           | U              | 1   | 0.5      | ppbv    |
| 79-34-5            | 1,1,2,2-Tetrachloroethane | 1             | 6.87           | U              | 1   | 1        | ppbv    |
| 95-49-8            | 2-Chlorotoluene           | 1             | 5.18           | U              | 1   | 1        | ppbv    |
| 108-67-8           | 1,3,5-Trimethylbenzene    | 0.9           | 4.42           | U              | 1   | 0.9      | ppbv    |
| 95-63-6            | 1,2,4-Trimethylbenzene    | 1             | 4.92           | U              | 1   | 1        | ppbv    |
| 622-96-8           | 4-Ethyltoluene            | 0.8           | 3.93           | U              | 1   | 0.8      | ppbv    |
| 541-73-1           | 1,3-Dichlorobenzene       | 0.8           | 4.81           | U              | 1   | 0.8      | ppbv    |
| 106-46-7           | 1,4-Dichlorobenzene       | 0.6           | 3.61           | U              | 1   | 0.6      | ppbv    |
| 95-50-1            | 1,2-Dichlorobenzene       | 0.7           | 4.21           | U              | 1   | 0.7      | ppbv    |
| 120-82-1           | 1,2,4-Trichlorobenzene    | 0.4           | 2.97           | U              | 1   | 0.4      | ppbv    |
| 87-68-3            | Hexachloro-1,3-Butadiene  | 0.8           | 8.53           | U              | 1   | 0.8      | ppbv    |
| 106-99-0           | 1,3-Butadiene             | 0.9           | 1.99           | U              | 1   | 0.9      | ppbv    |
| 110-54-3           | Hexane                    | 1.3           | 4.58           | <del>B</del>   | 1   | 0.4      | ppbv    |
| SURROGATES         |                           |               |                |                |     |          |         |
| 460-00-4           | 1-Bromo-4-Fluorobenzene   | 9.27          |                |                | 93% | 65 - 135 | SPK: 10 |
| INTERNAL STANDARDS |                           |               |                |                |     |          |         |
| 74-97-5            | Bromochloromethane        | 1473390       |                | 6.15           |     |          |         |
| 540-36-3           | 1,4-Difluorobenzene       | 4579700       |                | 7.82           |     |          |         |
| 3114-55-4          | Chlorobenzene-d5          | 4240820       |                | 13.21          |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

ml  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-3                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-07                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007781.D        | 1         |           | 04/09/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.5           | 2.28           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 3.5           | 10.6           |           | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.06          | 0.124          | U         | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116          | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185          | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.3           | 1.80           |           | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.2           | 1.15           |           | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 1             | 4.22           |           | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198          | U         | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 40.2          | 44.5           | 955       | 1    | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05          | 0.156          | U         | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5           | 1.56           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.04          | 0.162          | U         | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.1           | 0.379          |           | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1.3           | 3.95           |           | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.05          | 0.315          |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 1.2           | 6.06           |           | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324          | U         | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.3           | 1.75           |           | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236          | U         | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.04          | 0.187          | U         | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 1.4           | 4.47           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.22          | 1.18           |           | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.06          | 0.246          | U         | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 11.5          | 43.3           |           | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

W  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-3                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-07                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007781.D        | 1         |           | 04/09/10      | vm040910      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|-------------|---------------------------|---------------|----------------|-----------|------|------|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07 | ppbv  |
| 127-18-4    | Tetrachloroethene         | 1.48          | 10.0           |           | 0.03 | 0.03 | ppbv  |
| 108-90-7    | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 0.7           | 3.13           |           | 0.1  | 0.08 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 2.8           | 12.0           |           | 0.2  | 0.11 | ppbv  |
| 95-47-6     | o-Xylene                  | 0.3           | 1.13           |           | 0.1  | 0.07 | ppbv  |
| 100-42-5    | Styrene                   | 0.2           | 0.681          |           | 0.1  | 0.07 | ppbv  |
| 75-25-2     | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05 | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1  | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1  | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1  | 0.09 | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 0.1           | 0.639          |           | 0.1  | 0.1  | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 0.2           | 0.934          |           | 0.1  | 0.08 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09 | ppbv  |
| 110-54-3    | Hexane                    | 0.04          | 0.141          | U         | 0.1  | 0.04 | ppbv  |

### SURROGATES

|          |                         |     |  |     |          |         |
|----------|-------------------------|-----|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.9 |  | 99% | 65 - 135 | SPK: 10 |
|----------|-------------------------|-----|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1371750 | 6.14  |
| 540-36-3  | 1,4-Difluorobenzene | 4046880 | 7.81  |
| 3114-55-4 | Chlorobenzene-d5    | 3373340 | 13.21 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

nw  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-3DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-07DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use  
original  
results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007782.D        | 10        |           | 04/10/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier    | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|--------------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |              |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.98           | U            | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 1.8           | 5.46           | <del>U</del> | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6           | 1.24           | U            | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10           | U            | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79           | U            | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3           | 1.16           | U            | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85           | U            | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.4           | 2.25           | U            | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80           | U            | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.4           | 3.07           | U            | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31           | U            | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 1.1           | 4.51           | <del>U</del> | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5           | 1.98           | U            | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 40.2          | 95.5           | <del>U</del> | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56           | U            | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80           | U            | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5           | 1.74           | U            | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56           | U            | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.6           | 2.38           | U            | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4           | 1.62           | U            | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75           | U            | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1.1           | 3.24           | <del>U</del> | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52           | U            | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.6           | 2.38           | U            | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 1.1           | 5.37           | <del>U</del> | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24           | U            | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.4           | 2.18           | U            | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36           | U            | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87           | U            | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 1.2           | 3.83           | <del>U</del> | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83           | U            | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.4           | 2.15           | U            | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77           | U            | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35           | U            | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6           | 2.46           | U            | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 10.6          | 39.9           | <del>U</del> | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18           | U            | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72           | U            | 1   | 0.6 | ppbv  |

hw  
5/18/10



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-3DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-07DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007782.D        | 10        |           | 04/10/10      | vm040910      |

| CAS Number                | Parameter                 | Conc. ppbv | Conc. ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|------------|-------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.8        | 4.36        | U         | 1   | 0.8      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.5        | 4.26        | U         | 1   | 0.5      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.7        | 5.38        | U         | 1   | 0.7      | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 1.3        | 8.82        | U         | 0.3 | 0.3      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.9        | 4.14        | U         | 1   | 0.9      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.8        | 3.48        | U         | 1   | 0.8      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 2          | 8.69        | J         | 2   | 1.1      | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.7        | 3.04        | U         | 1   | 0.7      | ppbv    |
| 100-42-5                  | Styrene                   | 0.7        | 2.98        | U         | 1   | 0.7      | ppbv    |
| 75-25-2                   | Bromoform                 | 0.5        | 5.17        | U         | 1   | 0.5      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1          | 6.87        | U         | 1   | 1        | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 1          | 5.18        | U         | 1   | 1        | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.9        | 4.42        | U         | 1   | 0.9      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1          | 4.92        | U         | 1   | 1        | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.8        | 3.93        | U         | 1   | 0.8      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.8        | 4.81        | U         | 1   | 0.8      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.6        | 3.61        | U         | 1   | 0.6      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.7        | 4.21        | U         | 1   | 0.7      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.4        | 2.97        | U         | 1   | 0.4      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.8        | 8.53        | U         | 1   | 0.8      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.9        | 1.99        | U         | 1   | 0.9      | ppbv    |
| 110-54-3                  | Hexane                    | 0.4        | 1.41        | U         | 1   | 0.4      | ppbv    |
| <b>SURROGATES</b>         |                           |            |             |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.32       |             |           | 93% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |            |             |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1508310    |             | 6.14      |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 4571170    |             | 7.81      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 4412410    |             | 13.21     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

new  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-4                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-08                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007783.D        | 1         |           | 04/10/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.5           | 2.28           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 3.6           | 11.0           |           | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.1           | 0.207          | J         | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116          | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185          | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.6           | 3.15           |           | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 5.9           | 45.4           |           | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 0.9           | 3.81           |           | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198          | U         | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 26.7          | 36.7           | E         | 1    | 1    | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.3           | 1.03           |           | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.8           | 2.61           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.6           | 2.22           |           | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 1             | 3.84           |           | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.2           | 0.792          |           | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1.4           | 4.04           |           | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.04          | 0.252          | U         | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 6             | 23.9           |           | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.4           | 1.95           |           | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324          | U         | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 59.9          | 326            | E         | 1    | 0.4  | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236          | U         | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.04          | 0.187          | U         | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 1.5           | 4.89           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 44.7          | 240            | E         | 0.4  | 0.4  | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.06          | 0.246          | U         | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 9.6           | 36.3           |           | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

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5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-4                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-08                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007783.D        | 1         |           | 04/10/10      | vm040910      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL  | MDL  | Units |
|-------------|---------------------------|---------------|----------------|-----------|-----|------|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1 | 0.08 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1 | 0.05 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1 | 0.07 | ppbv  |
| 127-18-4    | Tetrachloroethene         | 432           | 2929           | E         | 3   | 3    | ppbv  |
| 108-90-7    | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1 | 0.09 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 1.1           | 4.91           |           | 0.1 | 0.08 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 3.8           | 16.5           |           | 0.2 | 0.11 | ppbv  |
| 95-47-6     | o-Xylene                  | 0.5           | 2.22           |           | 0.1 | 0.07 | ppbv  |
| 100-42-5    | Styrene                   | 0.3           | 1.32           |           | 0.1 | 0.07 | ppbv  |
| 75-25-2     | Bromoform                 | 0.05          | 0.517          | U         | 0.1 | 0.05 | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1 | 0.1  | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1 | 0.1  | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1 | 0.09 | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 0.3           | 1.48           |           | 0.1 | 0.1  | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 0.3           | 1.52           |           | 0.1 | 0.08 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1 | 0.08 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1 | 0.06 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1 | 0.07 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1 | 0.04 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1 | 0.08 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1 | 0.09 | ppbv  |
| 110-54-3    | Hexane                    | 0.04          | 0.141          | U         | 0.1 | 0.04 | ppbv  |

### SURROGATES

|          |                         |      |  |     |          |         |
|----------|-------------------------|------|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.74 |  | 97% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1363580 | 6.14  |
| 540-36-3  | 1,4-Difluorobenzene | 4269560 | 7.82  |
| 3114-55-4 | Chlorobenzene-d5    | 3528410 | 13.23 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

nw  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-4DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-08DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

Use original  
Results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007784.D        | 10        |           | 04/10/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier    | RL  | MDL | Units |
|----------------|--------------------------------|---------------|----------------|--------------|-----|-----|-------|
| <b>TARGETS</b> |                                |               |                |              |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4           | 1.98           | U            | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 1.5           | 4.55           | <del>D</del> | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6           | 1.24           | U            | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10           | U            | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79           | U            | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3           | 1.16           | U            | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85           | U            | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.4           | 2.25           | U            | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80           | U            | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 5             | 38.3           | <del>D</del> | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31           | U            | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 1             | 4.10           | <del>J</del> | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5           | 1.98           | U            | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 26.7          | 63.4           | <del>D</del> | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56           | U            | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80           | U            | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5           | 1.74           | U            | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56           | U            | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.6           | 2.38           | U            | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4           | 1.62           | U            | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75           | U            | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1.3           | 3.83           | <del>D</del> | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52           | U            | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 4.5           | 17.8           | <del>D</del> | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.2           | 0.977          | U            | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24           | U            | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 59.9          | 326            | <del>D</del> | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36           | U            | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87           | U            | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 1.2           | 3.83           | <del>D</del> | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83           | U            | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 44.7          | 240            | <del>D</del> | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77           | U            | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35           | U            | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6           | 2.46           | U            | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 8.6           | 32.4           | <del>D</del> | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18           | U            | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72           | U            | 1   | 0.6 | ppbv  |

no  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-4DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-08DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

*use original results*

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007784.D        | 10        |           | 04/10/10      | vm040910      |

| CAS Number  | Parameter                 | Conc. ppbv | Conc. ug/M3 | Qualifier | RL | MDL | Units |
|-------------|---------------------------|------------|-------------|-----------|----|-----|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 0.8        | 4.36        | U         | 1  | 0.8 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 0.5        | 4.26        | U         | 1  | 0.5 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 0.7        | 5.38        | U         | 1  | 0.7 | ppbv  |
| 127-18-4    | Tetrachloroethene         | 432        | 2929        | ED        | 3  | 3   | ppbv  |
| 108-90-7    | Chlorobenzene             | 0.9        | 4.14        | U         | 1  | 0.9 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 0.8        | 3.48        | U         | 1  | 0.8 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 2.7        | 11.7        | J         | 2  | 1.1 | ppbv  |
| 95-47-6     | o-Xylene                  | 0.7        | 3.04        | U         | 1  | 0.7 | ppbv  |
| 100-42-5    | Styrene                   | 0.7        | 2.98        | U         | 1  | 0.7 | ppbv  |
| 75-25-2     | Bromoform                 | 0.5        | 5.17        | U         | 1  | 0.5 | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 1          | 6.87        | U         | 1  | 1   | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 1          | 5.18        | U         | 1  | 1   | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.9        | 4.42        | U         | 1  | 0.9 | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 1          | 4.92        | U         | 1  | 1   | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 0.8        | 3.93        | U         | 1  | 0.8 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.8        | 4.81        | U         | 1  | 0.8 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.6        | 3.61        | U         | 1  | 0.6 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.7        | 4.21        | U         | 1  | 0.7 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.4        | 2.97        | U         | 1  | 0.4 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.8        | 8.53        | U         | 1  | 0.8 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 0.9        | 1.99        | U         | 1  | 0.9 | ppbv  |
| 110-54-3    | Hexane                    | 0.4        | 1.41        | U         | 1  | 0.4 | ppbv  |

### SURROGATES

|          |                         |      |  |     |          |         |
|----------|-------------------------|------|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.27 |  | 93% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1583010 | 6.14  |
| 540-36-3  | 1,4-Difluorobenzene | 4691030 | 7.81  |
| 3114-55-4 | Chlorobenzene-d5    | 4570210 | 13.21 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

*new  
5/18/10*

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-4DL2                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-08DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007807.D        | 100       |           | 04/12/10      | VM041210      |

| CAS Number     | Parameter                      | Conc. ppbv | Conc. ug/M3 | Qualifier | RL | MDL | Units |
|----------------|--------------------------------|------------|-------------|-----------|----|-----|-------|
| <b>TARGETS</b> |                                |            |             |           |    |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 4          | 19.8        | U         | 10 | 4   | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 10         | 30.3        | U         | 10 | 10  | ppbv  |
| 74-87-3        | Chloromethane                  | 6          | 12.4        | U         | 10 | 6   | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 10         | 40.9        | U         | 10 | 10  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 7          | 17.9        | U         | 3  | 7   | ppbv  |
| 74-83-9        | Bromomethane                   | 3          | 11.6        | U         | 10 | 3   | ppbv  |
| 75-00-3        | Chloroethane                   | 7          | 18.5        | U         | 10 | 7   | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 4          | 22.5        | U         | 10 | 4   | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 4          | 28.0        | U         | 10 | 4   | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 4          | 30.7        | U         | 10 | 4   | ppbv  |
| 593-60-2       | Bromoethene                    | 3          | 13.1        | U         | 10 | 3   | ppbv  |
| 142-82-5       | Heptane                        | 6          | 24.6        | U         | 10 | 6   | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 5          | 19.8        | U         | 10 | 5   | ppbv  |
| 67-64-1        | Acetone                        | 54         | 128         | U         | 10 | 10  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 5          | 15.6        | U         | 10 | 5   | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 5          | 18.0        | U         | 10 | 5   | ppbv  |
| 75-09-2        | Methylene Chloride             | 5          | 17.4        | U         | 10 | 5   | ppbv  |
| 107-05-1       | Allyl Chloride                 | 5          | 15.6        | U         | 10 | 5   | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 6          | 23.8        | U         | 10 | 6   | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 4          | 16.2        | U         | 10 | 4   | ppbv  |
| 110-82-7       | Cyclohexane                    | 8          | 27.5        | U         | 10 | 8   | ppbv  |
| 78-93-3        | 2-Butanone                     | 10         | 29.5        | U         | 10 | 10  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 4          | 25.2        | U         | 4  | 4   | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 6          | 23.8        | U         | 10 | 6   | ppbv  |
| 67-66-3        | Chloroform                     | 2          | 9.77        | U         | 10 | 2   | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 9          | 32.4        | U         | 10 | 9   | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 31         | 169         | U         | 10 | 4   | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 8          | 23.6        | U         | 10 | 8   | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 4          | 18.7        | U         | 10 | 4   | ppbv  |
| 71-43-2        | Benzene                        | 4          | 12.8        | U         | 10 | 4   | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 7          | 28.3        | U         | 10 | 7   | ppbv  |
| 79-01-6        | Trichloroethene                | 32         | 171         | U         | 4  | 4   | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 6          | 27.7        | U         | 10 | 6   | ppbv  |
| 75-27-4        | Bromodichloromethane           | 5          | 33.5        | U         | 10 | 5   | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 6          | 24.6        | U         | 10 | 6   | ppbv  |
| 108-88-3       | Toluene                        | 5          | 18.8        | U         | 10 | 5   | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 7          | 31.8        | U         | 10 | 7   | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 6          | 27.2        | U         | 10 | 6   | ppbv  |

hw  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-4DL2                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-08DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007807.D        | 100       |           | 04/12/10      | VM041210      |

| CAS Number  | Parameter                 | Conc. ppbv | Conc. ug/M3 | Qualifier | RL | MDL | Units |
|-------------|---------------------------|------------|-------------|-----------|----|-----|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 8          | 43.6        | U         | 10 | 8   | ppbv  |
| 124-48-1    | Dibromochloromethane      | 5          | 42.6        | U         | 10 | 5   | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 7          | 53.8        | U         | 10 | 7   | ppbv  |
| 127-18-4    | Tetrachloroethene         | 432        | 2929        | D         | 3  | 3   | ppbv  |
| 108-90-7    | Chlorobenzene             | 9          | 41.4        | U         | 10 | 9   | ppbv  |
| 100-41-4    | Ethyl Benzene             | 8          | 34.7        | U         | 10 | 8   | ppbv  |
| 179601-23-1 | m/p-Xylene                | 11         | 47.8        | U         | 20 | 11  | ppbv  |
| 95-47-6     | o-Xylene                  | 7          | 30.4        | U         | 10 | 7   | ppbv  |
| 100-42-5    | Styrene                   | 7          | 29.8        | U         | 10 | 7   | ppbv  |
| 75-25-2     | Bromoform                 | 5          | 51.7        | U         | 10 | 5   | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 10         | 68.7        | U         | 10 | 10  | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 10         | 51.8        | U         | 10 | 10  | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 9          | 44.2        | U         | 10 | 9   | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 10         | 49.2        | U         | 10 | 10  | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 8          | 39.3        | U         | 10 | 8   | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 8          | 48.1        | U         | 10 | 8   | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 6          | 36.1        | U         | 10 | 6   | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 7          | 42.1        | U         | 10 | 7   | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 4          | 29.7        | U         | 10 | 4   | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 8          | 85.3        | U         | 10 | 8   | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 9          | 19.9        | U         | 10 | 9   | ppbv  |
| 110-54-3    | Hexane                    | 4          | 14.1        | U         | 10 | 4   | ppbv  |

### SURROGATES

|          |                         |      |  |     |          |         |
|----------|-------------------------|------|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.05 |  | 91% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1396820 | 6.1   |
| 540-36-3  | 1,4-Difluorobenzene | 3646150 | 7.76  |
| 3114-55-4 | Chlorobenzene-d5    | 3412610 | 13.16 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

no  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-52                                   | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-09                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007786.D        | 10        |           | 04/10/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3            | Qualifier    | RL  | MDL | Units          |
|----------------|--------------------------------|---------------|---------------------------|--------------|-----|-----|----------------|
| <b>TARGETS</b> |                                |               |                           |              |     |     |                |
| 75-71-8        | Dichlorodifluoromethane        | 0.5           | 2.47                      | J            | 1   | 0.4 | ppbv           |
| 75-65-0        | tert-butyl alcohol             | 1.4           | 4.24                      |              | 1   | 1   | ppbv           |
| 74-87-3        | Chloromethane                  | 2.7           | 5.58                      |              | 1   | 0.6 | ppbv           |
| 80-62-6        | Methyl Methacrylate            | 1             | 4.10                      | U            | 1   | 1   | ppbv           |
| 75-01-4        | Vinyl Chloride                 | 0.7           | 1.79                      | U            | 0.3 | 0.7 | ppbv           |
| 74-83-9        | Bromomethane                   | 0.4           | 1.55                      | J            | 1   | 0.3 | ppbv           |
| 75-00-3        | Chloroethane                   | 0.7           | 1.85                      | U            | 1   | 0.7 | ppbv           |
| 75-69-4        | Trichlorofluoromethane         | 0.4           | 2.25                      | J            | 1   | 0.4 | ppbv           |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4           | 2.80                      | U            | 1   | 0.4 | ppbv           |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 3.6           | 27.6                      |              | 1   | 0.4 | ppbv           |
| 593-60-2       | Bromoethene                    | 0.3           | 1.31                      | U            | 1   | 0.3 | ppbv           |
| 142-82-5       | Heptane                        | 0.6           | 2.46                      | U            | 1   | 0.6 | ppbv           |
| 75-35-4        | 1,1-Dichloroethene             | 5.1           | 20.2                      |              | 1   | 0.5 | ppbv           |
| 67-64-1        | Acetone                        | 24.9          | 59.1                      |              | 1   | 1   | ppbv           |
| 75-15-0        | Carbon Disulfide               | 0.5           | 1.56                      | U            | 1   | 0.5 | ppbv           |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5           | 1.80                      | U            | 1   | 0.5 | ppbv           |
| 75-09-2        | Methylene Chloride             | 7.3           | 25.4                      |              | 1   | 0.5 | ppbv           |
| 107-05-1       | Allyl Chloride                 | 0.5           | 1.56                      | U            | 1   | 0.5 | ppbv           |
| 156-60-5       | trans-1,2-Dichloroethene       | 72.4          | 287                       |              | 1   | 0.6 | ppbv           |
| 75-34-3        | 1,1-Dichloroethane             | 36.1          | 146                       |              | 1   | 0.4 | ppbv           |
| 110-82-7       | Cyclohexane                    | 0.8           | 2.75                      | U            | 1   | 0.8 | ppbv           |
| 78-93-3        | 2-Butanone                     | 3.7           | 10.9                      | J            | 1   | 1   | ppbv           |
| 56-23-5        | Carbon Tetrachloride           | 0.4           | 2.52                      | U J          | 0.4 | 0.4 | ppbv           |
| 156-59-2       | cis-1,2-Dichloroethene         | 4370          | <del>1420 1733 5648</del> | <del>E</del> | 40  | 24  | <del>0.6</del> |
| 67-66-3        | Chloroform                     | 0.7           | 3.42                      | J            | 1   | 0.2 | ppbv           |
| 123-91-1       | 1,4-Dioxane                    | 0.9           | 3.24                      | U J          | 1   | 0.9 | ppbv           |
| 71-55-6        | 1,1,1-Trichloroethane          | 132           | 718                       |              | 1   | 0.4 | ppbv           |
| 109-99-9       | Tetrahydrofuran                | 0.8           | 2.36                      | U J          | 1   | 0.8 | ppbv           |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4           | 1.87                      | U J          | 1   | 0.4 | ppbv           |
| 71-43-2        | Benzene                        | 1.9           | 6.07                      | J            | 1   | 0.4 | ppbv           |
| 107-06-2       | 1,2-Dichloroethane             | 0.7           | 2.83                      | U J          | 1   | 0.7 | ppbv           |
| 79-01-6        | Trichloroethene                | 1730          | <del>1220 9286 6559</del> | <del>E</del> | 16  | 16  | <del>0.4</del> |
| 78-87-5        | 1,2-Dichloropropane            | 0.6           | 2.77                      | U J          | 1   | 0.6 | ppbv           |
| 75-27-4        | Bromodichloromethane           | 0.5           | 3.35                      | U J          | 1   | 0.5 | ppbv           |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6           | 2.46                      | U J          | 1   | 0.6 | ppbv           |
| 108-88-3       | Toluene                        | 35.6          | 134                       | J            | 1   | 0.5 | ppbv           |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7           | 3.18                      | U J          | 1   | 0.7 | ppbv           |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6           | 2.72                      | U J          | 1   | 0.6 | ppbv           |

hep  
5/18/10



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-52                                   | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-09                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007786.D        | 10        |           | 04/10/10      | vm040910      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3                                     | Qualifier | RL  | MDL | Units |
|-------------|---------------------------|---------------|----------------------------------------------------|-----------|-----|-----|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 0.8           | 4.36                                               | UJ X      | 1   | 0.8 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 0.5           | 4.26                                               | UJ U      | 1   | 0.5 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 0.7           | 5.38                                               | UJ U      | 1   | 0.7 | ppbv  |
| 127-18-4    | Tetrachloroethene         | 22100         | <del>7860</del> <del>146999</del> <del>53289</del> | E         | 120 | 0.3 | ppbv  |
| 108-90-7    | Chlorobenzene             | 0.9           | 4.14                                               | U         | 1   | 0.9 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 0.8           | 3.48                                               | U         | 1   | 0.8 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 2.8           | 12.2                                               |           | 2   | 1.1 | ppbv  |
| 95-47-6     | o-Xylene                  | 0.7           | 3.04                                               | U         | 1   | 0.7 | ppbv  |
| 100-42-5    | Styrene                   | 0.7           | 2.98                                               | U         | 1   | 0.7 | ppbv  |
| 75-25-2     | Bromoform                 | 0.5           | 5.17                                               | UJ U      | 1   | 0.5 | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 1             | 6.87                                               | U         | 1   | 1   | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 1             | 5.18                                               | U         | 1   | 1   | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.9           | 4.42                                               | U         | 1   | 0.9 | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 1             | 4.92                                               | U         | 1   | 1   | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 0.8           | 3.93                                               | U         | 1   | 0.8 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.8           | 4.81                                               | U         | 1   | 0.8 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.6           | 3.61                                               | U         | 1   | 0.6 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.7           | 4.21                                               | U         | 1   | 0.7 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.4           | 2.97                                               | U         | 1   | 0.4 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.8           | 8.53                                               | U         | 1   | 0.8 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 0.9           | 1.99                                               | U         | 1   | 0.9 | ppbv  |
| 110-54-3    | Hexane                    | 2.7           | 9.52                                               |           | 1   | 0.4 | ppbv  |

### SURROGATES

|          |                         |      |  |     |          |         |
|----------|-------------------------|------|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 8.47 |  | 85% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1454360 | 6.12  |
| 540-36-3  | 1,4-Difluorobenzene | 1445350 | 7.79  |
| 3114-55-4 | Chlorobenzene-d5    | 3364980 | 13.19 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

mw  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-52DL                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-09DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007813.D        | 400       |           | 04/13/10      | VM041210      |

| CAS Number     | Parameter                      | Conc. ppbv | Conc. ug/M3 | Qualifier | RL | MDL | Units |
|----------------|--------------------------------|------------|-------------|-----------|----|-----|-------|
| <b>TARGETS</b> |                                |            |             |           |    |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 16         | 79.1        | U         | 40 | 16  | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 40         | 121         | U         | 40 | 40  | ppbv  |
| 74-87-3        | Chloromethane                  | 24         | 49.6        | U         | 40 | 24  | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 40         | 163         | U         | 40 | 40  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 28         | 71.6        | U         | 12 | 28  | ppbv  |
| 74-83-9        | Bromomethane                   | 12         | 46.6        | U         | 40 | 12  | ppbv  |
| 75-00-3        | Chloroethane                   | 28         | 73.9        | U         | 40 | 28  | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 16         | 89.9        | U         | 40 | 16  | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 16         | 111         | U         | 40 | 16  | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 16         | 122         | U         | 40 | 16  | ppbv  |
| 593-60-2       | Bromoethene                    | 12         | 52.5        | U         | 40 | 12  | ppbv  |
| 142-82-5       | Heptane                        | 24         | 98.4        | U         | 40 | 24  | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 20         | 79.3        | U         | 40 | 20  | ppbv  |
| 67-64-1        | Acetone                        | 40         | 95.0        | U         | 40 | 40  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 20         | 62.3        | U         | 40 | 20  | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 20         | 72.1        | U         | 40 | 20  | ppbv  |
| 75-09-2        | Methylene Chloride             | 20         | 69.5        | U         | 40 | 20  | ppbv  |
| 107-05-1       | Allyl Chloride                 | 20         | 62.6        | U         | 40 | 20  | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 72         | 285         | U         | 40 | 24  | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 16         | 64.8        | U         | 40 | 16  | ppbv  |
| 110-82-7       | Cyclohexane                    | 32         | 110         | U         | 40 | 32  | ppbv  |
| 78-93-3        | 2-Butanone                     | 40         | 117         | U         | 40 | 40  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 16         | 100         | U         | 16 | 16  | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 4370       | 17334       | U         | 40 | 24  | ppbv  |
| 67-66-3        | Chloroform                     | 8          | 39.1        | U         | 40 | 8   | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 36         | 129         | U         | 40 | 36  | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 220        | 1200        | U         | 40 | 16  | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 32         | 94.4        | U         | 40 | 32  | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 16         | 74.7        | U         | 40 | 16  | ppbv  |
| 71-43-2        | Benzene                        | 16         | 51.1        | U         | 40 | 16  | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 28         | 113         | U         | 40 | 28  | ppbv  |
| 79-01-6        | Trichloroethene                | 1730       | 9286        | U         | 16 | 16  | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 24         | 110         | U         | 40 | 24  | ppbv  |
| 75-27-4        | Bromodichloromethane           | 20         | 133         | U         | 40 | 20  | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 24         | 98.4        | U         | 40 | 24  | ppbv  |
| 108-88-3       | Toluene                        | 20         | 75.4        | U         | 40 | 20  | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 28         | 127         | U         | 40 | 28  | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 24         | 108         | U         | 40 | 24  | ppbv  |

hw  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-52DL                                 | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-09DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

*use original results*

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007813.D        | 400       |           | 04/13/10      | VM041210      |

| CAS Number  | Parameter                 | Conc. ppbv | Conc. ug/M3 | Qualifier | RL  | MDL | Units |
|-------------|---------------------------|------------|-------------|-----------|-----|-----|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 32         | 174         | U         | 40  | 32  | ppbv  |
| 124-48-1    | Dibromochloromethane      | 20         | 170         | U         | 40  | 20  | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 28         | 215         | U         | 40  | 28  | ppbv  |
| 127-18-4    | Tetrachloroethene         | 22100      | 149999      | ED        | 120 | 120 | ppbv  |
| 108-90-7    | Chlorobenzene             | 36         | 165         | U         | 40  | 36  | ppbv  |
| 100-41-4    | Ethyl Benzene             | 32         | 138         | U         | 40  | 32  | ppbv  |
| 179601-23-1 | m/p-Xylene                | 44         | 191         | U         | 80  | 44  | ppbv  |
| 95-47-6     | o-Xylene                  | 28         | 121         | U         | 40  | 28  | ppbv  |
| 100-42-5    | Styrene                   | 28         | 119         | U         | 40  | 28  | ppbv  |
| 75-25-2     | Bromoform                 | 20         | 206         | U         | 40  | 20  | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 40         | 274         | U         | 40  | 40  | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 40         | 207         | U         | 40  | 40  | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 36         | 176         | U         | 40  | 36  | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 40         | 196         | U         | 40  | 40  | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 32         | 157         | U         | 40  | 32  | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 32         | 192         | U         | 40  | 32  | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 24         | 144         | U         | 40  | 24  | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 28         | 168         | U         | 40  | 28  | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 16         | 118         | U         | 40  | 16  | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 32         | 341         | U         | 40  | 32  | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 36         | 79.6        | U         | 40  | 36  | ppbv  |
| 110-54-3    | Hexane                    | 16         | 56.4        | U         | 40  | 16  | ppbv  |

### SURROGATES

|          |                         |      |  |     |          |         |
|----------|-------------------------|------|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.59 |  | 96% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1577980 | 6.1   |
| 540-36-3  | 1,4-Difluorobenzene | 4309120 | 7.77  |
| 3114-55-4 | Chlorobenzene-d5    | 4024420 | 13.15 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

*hes*  
*5/18/10*

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-52DL2                                | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-09DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

*use original results*

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007815.D        | 4000      |           | 04/13/10      | VM041210      |

| CAS Number     | Parameter                      | Conc. ppbv | Conc. ug/M3 | Qualifier    | RL  | MDL | Units |
|----------------|--------------------------------|------------|-------------|--------------|-----|-----|-------|
| <b>TARGETS</b> |                                |            |             |              |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 160        | 791         | U            | 400 | 160 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 400        | 1212        | U            | 400 | 400 | ppbv  |
| 74-87-3        | Chloromethane                  | 240        | 495         | U            | 400 | 240 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 400        | 1637        | U            | 400 | 400 | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 280        | 715         | U            | 120 | 280 | ppbv  |
| 74-83-9        | Bromomethane                   | 120        | 465         | U            | 400 | 120 | ppbv  |
| 75-00-3        | Chloroethane                   | 280        | 738         | U            | 400 | 280 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 160        | 899         | U            | 400 | 160 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 160        | 1118        | U            | 400 | 160 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 160        | 1226        | U            | 400 | 160 | ppbv  |
| 593-60-2       | Bromothene                     | 120        | 524         | U            | 400 | 120 | ppbv  |
| 142-82-5       | Heptane                        | 240        | 983         | U            | 400 | 240 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 200        | 792         | U            | 400 | 200 | ppbv  |
| 67-64-1        | Acetone                        | 400        | 950         | U            | 400 | 400 | ppbv  |
| 75-15-0        | Carbon Disulfide               | 200        | 622         | U            | 400 | 200 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 200        | 721         | U            | 400 | 200 | ppbv  |
| 75-09-2        | Methylene Chloride             | 200        | 694         | U            | 400 | 200 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 200        | 626         | U            | 400 | 200 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 240        | 951         | U            | 400 | 240 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 160        | 647         | U            | 400 | 160 | ppbv  |
| 110-82-7       | Cyclohexane                    | 320        | 1101        | U            | 400 | 320 | ppbv  |
| 78-93-3        | 2-Butanone                     | 400        | 1179        | U            | 400 | 400 | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 160        | 1006        | U            | 160 | 160 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 3880       | 15383       | <del>U</del> | 400 | 240 | ppbv  |
| 67-66-3        | Chloroform                     | 80         | 390         | U            | 400 | 80  | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 360        | 1297        | U            | 400 | 360 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 160        | 872         | U            | 400 | 160 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 320        | 943         | U            | 400 | 320 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 160        | 747         | U            | 400 | 160 | ppbv  |
| 71-43-2        | Benzene                        | 160        | 511         | U            | 400 | 160 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 280        | 1133        | U            | 400 | 280 | ppbv  |
| 79-01-6        | Trichloroethene                | 1520       | 8168        | <del>U</del> | 160 | 160 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 240        | 1109        | U            | 400 | 240 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 200        | 1339        | U            | 400 | 200 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 240        | 983         | U            | 400 | 240 | ppbv  |
| 108-88-3       | Toluene                        | 200        | 753         | U            | 400 | 200 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 280        | 1271        | U            | 400 | 280 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 240        | 1089        | U            | 400 | 240 | ppbv  |

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5/18/10*

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-52DL2                                | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-09DL2                             | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007815.D        | 4000      |           | 04/13/10      | VM041210      |

| CAS Number                | Parameter                 | Conc. ppbv | Conc. ug/M3 | Qualifier | RL  | MDL      | Units   |
|---------------------------|---------------------------|------------|-------------|-----------|-----|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 320        | 1745        | U         | 400 | 320      | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 200        | 1703        | U         | 400 | 200      | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 280        | 2151        | U         | 400 | 280      | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 22100      | 149999      | U         | 120 | 120      | ppbv    |
| 108-90-7                  | Chlorobenzene             | 360        | 1657        | U         | 400 | 360      | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 320        | 1389        | U         | 400 | 320      | ppbv    |
| 179601-23-1               | m/p-Xylene                | 440        | 1911        | U         | 800 | 440      | ppbv    |
| 95-47-6                   | o-Xylene                  | 280        | 1216        | U         | 400 | 280      | ppbv    |
| 100-42-5                  | Styrene                   | 280        | 1192        | U         | 400 | 280      | ppbv    |
| 75-25-2                   | Bromoform                 | 200        | 2067        | U         | 400 | 200      | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 400        | 2746        | U         | 400 | 400      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 400        | 2071        | U         | 400 | 400      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 360        | 1769        | U         | 400 | 360      | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 400        | 1966        | U         | 400 | 400      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 320        | 1573        | U         | 400 | 320      | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 320        | 1923        | U         | 400 | 320      | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 240        | 1442        | U         | 400 | 240      | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 280        | 1683        | U         | 400 | 280      | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 160        | 1187        | U         | 400 | 160      | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 320        | 3413        | U         | 400 | 320      | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 360        | 796         | U         | 400 | 360      | ppbv    |
| 110-54-3                  | Hexane                    | 160        | 563         | U         | 400 | 160      | ppbv    |
| <b>SURROGATES</b>         |                           |            |             |           |     |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 9.05       |             |           | 91% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |            |             |           |     |          |         |
| 74-97-5                   | Bromochloromethane        | 1480430    |             | 6.11      |     |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 3877680    |             | 7.77      |     |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 3593090    |             | 13.15     |     |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

W  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-5                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-10                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007810.D        | 1         |           | 04/13/10      | VM041210      |

| CAS Number     | Parameter                      | Conc.<br>ppbv                                        | Conc.<br>ug/M3 | Qualifier    | RL                                                         | MDL  | Units |
|----------------|--------------------------------|------------------------------------------------------|----------------|--------------|------------------------------------------------------------|------|-------|
| <b>TARGETS</b> |                                |                                                      |                |              |                                                            |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.5                                                  | 2.47           |              | 0.1                                                        | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 3.7                                                  | 11.3           |              | 0.1                                                        | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.4                                                  | 0.867          |              | 0.1                                                        | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1                                                  | 0.409          | U            | 0.1                                                        | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07                                                 | 0.179          | U            | 0.03                                                       | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03                                                 | 0.116          | U            | 0.1                                                        | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07                                                 | 0.185          | U            | 0.1                                                        | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.3                                                  | 1.57           |              | 0.1                                                        | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04                                                 | 0.28           | U            | 0.1                                                        | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 29 <del>30.9</del> <del>222</del> <del>236</del>     |                | <del>E</del> | <del>1</del> <del>0.1</del> <del>0.4</del> <del>0.04</del> |      | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03                                                 | 0.131          | U            | 0.1                                                        | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 1.3                                                  | 5.37           |              | 0.1                                                        | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05                                                 | 0.198          | U            | 0.1                                                        | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 48.8 <del>60.6</del> <del>115</del> <del>143</del>   |                | <del>E</del> | <del>1</del> <del>0.1</del> <del>1</del> <del>0.1</del>    |      | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.4                                                  | 1.31           |              | 0.1                                                        | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05                                                 | 0.18           | U            | 0.1                                                        | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 1.3                                                  | 4.62           |              | 0.1                                                        | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05                                                 | 0.157          | U            | 0.1                                                        | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.3                                                  | 1.35           |              | 0.1                                                        | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.2                                                  | 0.769          |              | 0.1                                                        | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.2                                                  | 0.516          |              | 0.1                                                        | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 2.5                                                  | 7.40           |              | 0.1                                                        | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.07                                                 | 0.44           |              | 0.04                                                       | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06                                                 | 0.238          | U            | 0.1                                                        | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.02                                                 | 0.098          | U            | 0.1                                                        | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09                                                 | 0.324          | U            | 0.1                                                        | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 1.3                                                  | 7.26           |              | 0.1                                                        | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08                                                 | 0.236          | U            | 0.1                                                        | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.04                                                 | 0.187          | U            | 0.1                                                        | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 2.5                                                  | 7.89           |              | 0.1                                                        | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07                                                 | 0.283          | U            | 0.1                                                        | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.29                                                 | 1.56           |              | 0.04                                                       | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06                                                 | 0.277          | U            | 0.1                                                        | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05                                                 | 0.335          | U            | 0.1                                                        | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.1                                                  | 0.533          |              | 0.1                                                        | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 13.2 <del>17.2</del> <del>49.7</del> <del>61.6</del> |                | <del>E</del> | <del>1</del> <del>0.1</del> <del>0.5</del> <del>0.05</del> |      | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07                                                 | 0.318          | U            | 0.1                                                        | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06                                                 | 0.272          | U            | 0.1                                                        | 0.06 | ppbv  |

  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-5                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-10                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007810.D        | 1         |           | 04/13/10      | VM041210      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|-------------|---------------------------|---------------|----------------|-----------|------|------|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07 | ppbv  |
| 127-18-4    | Tetrachloroethene         | 0.95          | 6.44           |           | 0.03 | 0.03 | ppbv  |
| 108-90-7    | Chlorobenzene             | 0.09          | 0.414          | U         | 0.1  | 0.09 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 1.7           | 7.30           |           | 0.1  | 0.08 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 7.1           | 30.8           |           | 0.2  | 0.11 | ppbv  |
| 95-47-6     | o-Xylene                  | 0.8           | 3.48           |           | 0.1  | 0.07 | ppbv  |
| 100-42-5    | Styrene                   | 0.3           | 1.28           |           | 0.1  | 0.07 | ppbv  |
| 75-25-2     | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05 | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U         | 0.1  | 0.1  | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1  | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.2           | 0.885          |           | 0.1  | 0.09 | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 0.6           | 2.85           |           | 0.1  | 0.1  | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 0.6           | 3.00           |           | 0.1  | 0.08 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09 | ppbv  |
| 110-54-3    | Hexane                    | 1.9           | 6.59           |           | 0.1  | 0.04 | ppbv  |

### SURROGATES

|          |                         |    |  |      |          |         |
|----------|-------------------------|----|--|------|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 12 |  | 120% | 65 - 135 | SPK: 10 |
|----------|-------------------------|----|--|------|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1285830 | 6.11  |
| 540-36-3  | 1,4-Difluorobenzene | 3309840 | 7.77  |
| 3114-55-4 | Chlorobenzene-d5    | 2761050 | 13.16 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

fw  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-5DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-10DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

Use original results

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007811.D        | 10        |           | 04/13/10      | VM041210      |

| CAS Number     | Parameter                      | Conc. ppbv | Conc. ug/M3 | Qualifier    | RL  | MDL | Units |
|----------------|--------------------------------|------------|-------------|--------------|-----|-----|-------|
| <b>TARGETS</b> |                                |            |             |              |     |     |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.4        | 1.98        | U            | 1   | 0.4 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 2.4        | 7.28        | <del>D</del> | 1   | 1   | ppbv  |
| 74-87-3        | Chloromethane                  | 0.6        | 1.24        | U            | 1   | 0.6 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 1          | 4.10        | U            | 1   | 1   | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.7        | 1.79        | U            | 0.3 | 0.7 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.3        | 1.16        | U            | 1   | 0.3 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.7        | 1.85        | U            | 1   | 0.7 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.4        | 2.25        | U            | 1   | 0.4 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.4        | 2.80        | U            | 1   | 0.4 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 29         | 222         | <del>D</del> | 1   | 0.4 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.3        | 1.31        | U            | 1   | 0.3 | ppbv  |
| 142-82-5       | Heptane                        | 0.6        | 2.46        | U            | 1   | 0.6 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.5        | 1.98        | U            | 1   | 0.5 | ppbv  |
| 67-64-1        | Acetone                        | 48.8       | 115         | <del>D</del> | 1   | 1   | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.5        | 1.56        | U            | 1   | 0.5 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.5        | 1.80        | U            | 1   | 0.5 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5        | 1.74        | U            | 1   | 0.5 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.5        | 1.56        | U            | 1   | 0.5 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.6        | 2.38        | U            | 1   | 0.6 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.4        | 1.62        | U            | 1   | 0.4 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.8        | 2.75        | U            | 1   | 0.8 | ppbv  |
| 78-93-3        | 2-Butanone                     | 2          | 5.90        | <del>D</del> | 1   | 1   | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.4        | 2.52        | U            | 0.4 | 0.4 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.6        | 2.38        | U            | 1   | 0.6 | ppbv  |
| 67-66-3        | Chloroform                     | 0.2        | 0.977       | U            | 1   | 0.2 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.9        | 3.24        | U            | 1   | 0.9 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.4        | 2.18        | U            | 1   | 0.4 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.8        | 2.36        | U            | 1   | 0.8 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.4        | 1.87        | U            | 1   | 0.4 | ppbv  |
| 71-43-2        | Benzene                        | 1.7        | 5.43        | <del>D</del> | 1   | 0.4 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.7        | 2.83        | U            | 1   | 0.7 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.4        | 2.15        | U            | 0.4 | 0.4 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.6        | 2.77        | U            | 1   | 0.6 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.5        | 3.35        | U            | 1   | 0.5 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.6        | 2.46        | U            | 1   | 0.6 | ppbv  |
| 108-88-3       | Toluene                        | 13.2       | 49.7        | <del>D</del> | 1   | 0.5 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.7        | 3.18        | U            | 1   | 0.7 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.6        | 2.72        | U            | 1   | 0.6 | ppbv  |

new sh810



## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | SG-5DL                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-10DL                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

*Use original results*

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007811.D        | 10        |           | 04/13/10      | VM041210      |

| CAS Number  | Parameter                 | Conc. ppbv | Conc. ug/M3 | Qualifier | RL  | MDL | Units |
|-------------|---------------------------|------------|-------------|-----------|-----|-----|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 0.8        | 4.36        | U         | 1   | 0.8 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 0.5        | 4.26        | U         | 1   | 0.5 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 0.7        | 5.38        | U         | 1   | 0.7 | ppbv  |
| 127-18-4    | Tetrachloroethene         | 0.3        | 2.03        | U         | 0.3 | 0.3 | ppbv  |
| 108-90-7    | Chlorobenzene             | 0.9        | 4.14        | U         | 1   | 0.9 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 0.8        | 3.48        | U         | 1   | 0.8 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 4.3        | 18.7        | D         | 2   | 1.1 | ppbv  |
| 95-47-6     | o-Xylene                  | 0.7        | 3.04        | U         | 1   | 0.7 | ppbv  |
| 100-42-5    | Styrene                   | 0.7        | 2.98        | U         | 1   | 0.7 | ppbv  |
| 75-25-2     | Bromoform                 | 0.5        | 5.17        | U         | 1   | 0.5 | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 1          | 6.87        | U         | 1   | 1   | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 1          | 5.18        | U         | 1   | 1   | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.9        | 4.42        | U         | 1   | 0.9 | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 1          | 4.92        | U         | 1   | 1   | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 0.8        | 3.93        | U         | 1   | 0.8 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.8        | 4.81        | U         | 1   | 0.8 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.6        | 3.61        | U         | 1   | 0.6 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.7        | 4.21        | U         | 1   | 0.7 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.4        | 2.97        | U         | 1   | 0.4 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.8        | 8.53        | U         | 1   | 0.8 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 0.9        | 1.99        | U         | 1   | 0.9 | ppbv  |
| 110-54-3    | Hexane                    | 0.4        | 1.41        | U         | 1   | 0.4 | ppbv  |

### SURROGATES

|          |                         |     |  |  |     |          |         |
|----------|-------------------------|-----|--|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.9 |  |  | 99% | 65 - 135 | SPK: 10 |
|----------|-------------------------|-----|--|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1514590 | 6.1   |
| 540-36-3  | 1,4-Difluorobenzene | 4346700 | 7.77  |
| 3114-55-4 | Chlorobenzene-d5    | 4280780 | 13.15 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

*new  
5/18/10*

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | OA-1                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-11                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                                     | Units:          | mL       |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007775.D        | 1         |           | 04/09/10      | vm040910      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.3           | 1.48           |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 0.1           | 0.303          | U         | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.5           | 0.929          |           | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1           | 0.409          | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07          | 0.179          | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03          | 0.116          | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07          | 0.185          | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.2           | 0.899          |           | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04          | 0.28           | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.04          | 0.307          | U         | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03          | 0.131          | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 0.06          | 0.246          | U         | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05          | 0.198          | U         | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 3.2           | 7.58           |           | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05          | 0.156          | U         | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05          | 0.18           | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.5           | 1.67           |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05          | 0.157          | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.1           | 0.436          |           | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.04          | 0.162          | U         | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.08          | 0.275          | U         | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1             | 2.80           |           | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.05          | 0.315          |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06          | 0.238          | U         | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.02          | 0.098          | U         | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09          | 0.324          | U         | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.04          | 0.218          | U         | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08          | 0.236          | U         | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.04          | 0.187          | U         | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 0.4           | 1.21           |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07          | 0.283          | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.04          | 0.215          | U         | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06          | 0.277          | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05          | 0.335          | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.1           | 0.492          |           | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 0.6           | 2.15           |           | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07          | 0.318          | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06          | 0.272          | U         | 0.1  | 0.06 | ppbv  |

uw  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | OA-1                                    | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-11                                | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007775.D        | 1         |           | 04/09/10      | vm040910      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | RL   | MDL  | Units |
|-------------|---------------------------|---------------|----------------|-----------|------|------|-------|
| 79-00-5     | 1,1,2-Trichloroethane     | 0.08          | 0.436          | U         | 0.1  | 0.08 | ppbv  |
| 124-48-1    | Dibromochloromethane      | 0.05          | 0.426          | U         | 0.1  | 0.05 | ppbv  |
| 106-93-4    | 1,2-Dibromoethane         | 0.07          | 0.538          | U         | 0.1  | 0.07 | ppbv  |
| 127-18-4    | Tetrachloroethene         | 0.19          | 1.29           |           | 0.03 | 0.03 | ppbv  |
| 108-90-7    | Chlorobenzene             | 0.09          | 0.414          | U J       | 0.1  | 0.09 | ppbv  |
| 100-41-4    | Ethyl Benzene             | 0.08          | 0.347          | U J       | 0.1  | 0.08 | ppbv  |
| 179601-23-1 | m/p-Xylene                | 0.2           | 0.956          | J         | 0.2  | 0.11 | ppbv  |
| 95-47-6     | o-Xylene                  | 0.07          | 0.304          | U J       | 0.1  | 0.07 | ppbv  |
| 100-42-5    | Styrene                   | 0.07          | 0.298          | U J       | 0.1  | 0.07 | ppbv  |
| 75-25-2     | Bromoform                 | 0.05          | 0.517          | U         | 0.1  | 0.05 | ppbv  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.1           | 0.687          | U J       | 0.1  | 0.1  | ppbv  |
| 95-49-8     | 2-Chlorotoluene           | 0.1           | 0.518          | U         | 0.1  | 0.1  | ppbv  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.09          | 0.442          | U         | 0.1  | 0.09 | ppbv  |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 0.1           | 0.492          | U         | 0.1  | 0.1  | ppbv  |
| 622-96-8    | 4-Ethyltoluene            | 0.08          | 0.393          | U         | 0.1  | 0.08 | ppbv  |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.08          | 0.481          | U         | 0.1  | 0.08 | ppbv  |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.06          | 0.361          | U         | 0.1  | 0.06 | ppbv  |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.07          | 0.421          | U         | 0.1  | 0.07 | ppbv  |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.04          | 0.297          | U         | 0.1  | 0.04 | ppbv  |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.08          | 0.853          | U         | 0.1  | 0.08 | ppbv  |
| 106-99-0    | 1,3-Butadiene             | 0.09          | 0.199          | U         | 0.1  | 0.09 | ppbv  |
| 110-54-3    | Hexane                    | 0.9           | 3.03           |           | 0.1  | 0.04 | ppbv  |

### SURROGATES

|          |                         |      |  |     |          |         |
|----------|-------------------------|------|--|-----|----------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 8.87 |  | 89% | 65 - 135 | SPK: 10 |
|----------|-------------------------|------|--|-----|----------|---------|

### INTERNAL STANDARDS

|           |                     |         |       |
|-----------|---------------------|---------|-------|
| 74-97-5   | Bromochloromethane  | 1268000 | 6.15  |
| 540-36-3  | 1,4-Difluorobenzene | 2440760 | 7.83  |
| 3114-55-4 | Chlorobenzene-d5    | 1696740 | 13.23 |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

UW  
5/18/10

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | OA-1RE                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-11RE                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

*use original results*

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007808.D        | 1         |           | 04/12/10      | VM041210      |

| CAS Number     | Parameter                      | Conc. ppbv | Conc. ug/M3 | Qualifier | RL   | MDL  | Units |
|----------------|--------------------------------|------------|-------------|-----------|------|------|-------|
| <b>TARGETS</b> |                                |            |             |           |      |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.5        | 2.67        |           | 0.1  | 0.04 | ppbv  |
| 75-65-0        | tert-butyl alcohol             | 0.1        | 0.303       | U         | 0.1  | 0.1  | ppbv  |
| 74-87-3        | Chloromethane                  | 0.8        | 1.59        |           | 0.1  | 0.06 | ppbv  |
| 80-62-6        | Methyl Methacrylate            | 0.1        | 0.409       | U         | 0.1  | 0.1  | ppbv  |
| 75-01-4        | Vinyl Chloride                 | 0.07       | 0.179       | U         | 0.03 | 0.07 | ppbv  |
| 74-83-9        | Bromomethane                   | 0.03       | 0.116       | U         | 0.1  | 0.03 | ppbv  |
| 75-00-3        | Chloroethane                   | 0.07       | 0.185       | U         | 0.1  | 0.07 | ppbv  |
| 75-69-4        | Trichlorofluoromethane         | 0.3        | 1.63        |           | 0.1  | 0.04 | ppbv  |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.04       | 0.28        | U         | 0.1  | 0.04 | ppbv  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.04       | 0.307       | U         | 0.1  | 0.04 | ppbv  |
| 593-60-2       | Bromoethene                    | 0.03       | 0.131       | U         | 0.1  | 0.03 | ppbv  |
| 142-82-5       | Heptane                        | 0.06       | 0.246       | U         | 0.1  | 0.06 | ppbv  |
| 75-35-4        | 1,1-Dichloroethene             | 0.05       | 0.198       | U         | 0.1  | 0.05 | ppbv  |
| 67-64-1        | Acetone                        | 5.2        | 12.4        |           | 0.1  | 0.1  | ppbv  |
| 75-15-0        | Carbon Disulfide               | 0.05       | 0.156       | U         | 0.1  | 0.05 | ppbv  |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.05       | 0.18        | U         | 0.1  | 0.05 | ppbv  |
| 75-09-2        | Methylene Chloride             | 0.7        | 2.47        |           | 0.1  | 0.05 | ppbv  |
| 107-05-1       | Allyl Chloride                 | 0.05       | 0.157       | U         | 0.1  | 0.05 | ppbv  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.2        | 0.872       |           | 0.1  | 0.06 | ppbv  |
| 75-34-3        | 1,1-Dichloroethane             | 0.04       | 0.162       | U         | 0.1  | 0.04 | ppbv  |
| 110-82-7       | Cyclohexane                    | 0.08       | 0.275       | U         | 0.1  | 0.08 | ppbv  |
| 78-93-3        | 2-Butanone                     | 1.2        | 3.54        |           | 0.1  | 0.1  | ppbv  |
| 56-23-5        | Carbon Tetrachloride           | 0.1        | 0.629       |           | 0.04 | 0.04 | ppbv  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.06       | 0.238       | U         | 0.1  | 0.06 | ppbv  |
| 67-66-3        | Chloroform                     | 0.02       | 0.098       | U         | 0.1  | 0.02 | ppbv  |
| 123-91-1       | 1,4-Dioxane                    | 0.09       | 0.324       | U         | 0.1  | 0.09 | ppbv  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.04       | 0.218       | U         | 0.1  | 0.04 | ppbv  |
| 109-99-9       | Tetrahydrofuran                | 0.08       | 0.236       | U         | 0.1  | 0.08 | ppbv  |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.04       | 0.187       | U         | 0.1  | 0.04 | ppbv  |
| 71-43-2        | Benzene                        | 0.5        | 1.66        |           | 0.1  | 0.04 | ppbv  |
| 107-06-2       | 1,2-Dichloroethane             | 0.07       | 0.283       | U         | 0.1  | 0.07 | ppbv  |
| 79-01-6        | Trichloroethene                | 0.07       | 0.376       |           | 0.04 | 0.04 | ppbv  |
| 78-87-5        | 1,2-Dichloropropane            | 0.06       | 0.277       | U         | 0.1  | 0.06 | ppbv  |
| 75-27-4        | Bromodichloromethane           | 0.05       | 0.335       | U         | 0.1  | 0.05 | ppbv  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.2        | 0.697       |           | 0.1  | 0.06 | ppbv  |
| 108-88-3       | Toluene                        | 0.8        | 3.05        |           | 0.1  | 0.05 | ppbv  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.07       | 0.318       | U         | 0.1  | 0.07 | ppbv  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.06       | 0.272       | U         | 0.1  | 0.06 | ppbv  |

*ms  
5/18/10*

## Report of Analysis

|                    |                                         |                 |          |
|--------------------|-----------------------------------------|-----------------|----------|
| Client:            | AECOM Technical Services Northeast, Inc | Date Collected: | 04/01/10 |
| Project:           | AIR-Hazeltine DEC site#1-52-005         | Date Received:  | 04/05/10 |
| Client Sample ID:  | OA-1RE                                  | SDG No.:        | B1786    |
| Lab Sample ID:     | B1786-11RE                              | Matrix:         | AIR      |
| Analytical Method: | TO-15                                   | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                           |                 |          |

*Use original results*

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| VM007808.D        | 1         |           | 04/12/10      | VM041210      |

| CAS Number                | Parameter                 | Conc. ppbv | Conc. ug/M3 | Qualifier | RL   | MDL      | Units   |
|---------------------------|---------------------------|------------|-------------|-----------|------|----------|---------|
| 79-00-5                   | 1,1,2-Trichloroethane     | 0.08       | 0.436       | U         | 0.1  | 0.08     | ppbv    |
| 124-48-1                  | Dibromochloromethane      | 0.05       | 0.426       | U         | 0.1  | 0.05     | ppbv    |
| 106-93-4                  | 1,2-Dibromoethane         | 0.07       | 0.538       | U         | 0.1  | 0.07     | ppbv    |
| 127-18-4                  | Tetrachloroethene         | 0.52       | 2.53        |           | 0.03 | 0.03     | ppbv    |
| 108-90-7                  | Chlorobenzene             | 0.09       | 0.414       | U         | 0.1  | 0.09     | ppbv    |
| 100-41-4                  | Ethyl Benzene             | 0.08       | 0.347       | U         | 0.1  | 0.08     | ppbv    |
| 179601-23-1               | m/p-Xylene                | 0.4        | 1.82        | J         | 0.2  | 0.11     | ppbv    |
| 95-47-6                   | o-Xylene                  | 0.07       | 0.304       | U         | 0.1  | 0.07     | ppbv    |
| 100-42-5                  | Styrene                   | 0.07       | 0.298       | U         | 0.1  | 0.07     | ppbv    |
| 75-25-2                   | Bromoform                 | 0.05       | 0.517       | U         | 0.1  | 0.05     | ppbv    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.1        | 0.687       | U         | 0.1  | 0.1      | ppbv    |
| 95-49-8                   | 2-Chlorotoluene           | 0.1        | 0.518       | U         | 0.1  | 0.1      | ppbv    |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.09       | 0.442       | U         | 0.1  | 0.09     | ppbv    |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.1        | 0.492       | U         | 0.1  | 0.1      | ppbv    |
| 622-96-8                  | 4-Ethyltoluene            | 0.08       | 0.393       | U         | 0.1  | 0.08     | ppbv    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.08       | 0.481       | U         | 0.1  | 0.08     | ppbv    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.06       | 0.361       | U         | 0.1  | 0.06     | ppbv    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.07       | 0.421       | U         | 0.1  | 0.07     | ppbv    |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.04       | 0.297       | U         | 0.1  | 0.04     | ppbv    |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.08       | 0.853       | U         | 0.1  | 0.08     | ppbv    |
| 106-99-0                  | 1,3-Butadiene             | 0.09       | 0.199       | U         | 0.1  | 0.09     | ppbv    |
| 110-54-3                  | Hexane                    | 1.1        | 3.88        |           | 0.1  | 0.04     | ppbv    |
| <b>SURROGATES</b>         |                           |            |             |           |      |          |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 12.2       |             |           | 122% | 65 - 135 | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |            |             |           |      |          |         |
| 74-97-5                   | Bromochloromethane        | 977629     |             | 6.1       |      |          |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 2362050    |             | 7.77      |      |          |         |
| 3114-55-4                 | Chlorobenzene-d5          | 1730430    |             | 13.15     |      |          |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

*lew*  
*5/18/10*

## **ANALYTICAL RESULTS SUMMARY**

**PROJECT NAME : HAZELTINE DEC SITE NO. 1-52-005**

**AECOM TECHNICAL SERVICES NORTHEAST, INC  
300 Broadacres Drive**

**Bloomfield , NJ - 07003**

**Phone No: 973-338-6680**

**ORDER ID : B1758**

**ATTENTION : Paul Kareth**



**DoD ELAP**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**FORM S-I**  
**SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY**

| <b>NYSDEC<br/>Sample<br/>ID/Code</b> | <b>Laboratory<br/>Sample<br/>ID/Code</b> | <b>VOA<br/>GC/MS<br/>(Method #)</b> | <b>BNA<br/>GC/MS<br/>(Method<br/>#)</b> | <b>VOA GC<br/>(Method<br/>#)</b> | <b>Pest PCBs<br/>(Method<br/>#)</b> | <b>Metals<br/>(Method<br/>#)</b> | <b>Other<br/>(Method<br/>#)</b> |
|--------------------------------------|------------------------------------------|-------------------------------------|-----------------------------------------|----------------------------------|-------------------------------------|----------------------------------|---------------------------------|
| SG-2-0510                            | B1758-01                                 | 8260B                               |                                         |                                  |                                     |                                  | Chemtech<br>-SOP                |
| SG-52-0510                           | B1758-04                                 | 8260B                               |                                         |                                  |                                     |                                  | Chemtech<br>-SOP                |
| SS-2                                 | B1758-05                                 | 8260B                               |                                         |                                  |                                     |                                  | Chemtech<br>-SOP                |
| EncoreKIT                            | B1758-06                                 |                                     |                                         |                                  |                                     |                                  |                                 |

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

**FORM S-IIb**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY  
VOLATILE (VOA) ANALYSES**

| <b>Laboratory<br/>Sample ID</b> | <b>Matrix</b> | <b>Date<br/>Collected</b> | <b>Date<br/>Rec'd at<br/>Lab</b> | <b>Date<br/>Extracted</b> | <b>Date<br/>Analyzed</b> |
|---------------------------------|---------------|---------------------------|----------------------------------|---------------------------|--------------------------|
| B1758-01                        | SOIL          | 03/31/10                  | 04/01/10                         |                           | 04/05/10                 |
| B1758-04                        | SOIL          | 03/31/10                  | 04/01/10                         |                           | 04/05/10                 |
| B1758-05                        | SOIL          | 04/01/10                  | 04/02/10                         |                           | 04/05/10                 |

\* Details For Test :VOC-TCLVOA-10

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**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

**FORM S-III**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY  
MISCELLANEOUS ORGANIC ANALYSES**

| <b>Laboratory<br/>Sample ID</b> | <b>Matrix</b> | <b>Analytical<br/>Protocol</b> | <b>Extraction<br/>Method</b> | <b>Auxiliary<br/>Cleanup</b> | <b>Dil/Conc<br/>Factor</b> |
|---------------------------------|---------------|--------------------------------|------------------------------|------------------------------|----------------------------|
| B1758-01                        | Solid         | 8260B                          | 5035                         |                              |                            |
| B1758-02                        | Solid         | 8260B                          | 5035                         |                              |                            |
| B1758-03                        | Solid         | 8260B                          | 5035                         |                              |                            |
| B1758-04                        | Solid         | 8260B                          | 5035                         |                              |                            |
| B1758-05                        | Solid         | 8260B                          | 5035                         |                              |                            |

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284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

## Cover Page

**Order ID :** B1758

**Project ID :** Hazeltine DEC site No. 1-52-005

**Client :** AECOM Technical Services Northeast, Inc

### Lab Sample Number

B1758-01  
B1758-02  
B1758-03  
B1758-04  
B1758-05

### Client Sample Number

SG-2-0510  
B1758-01MS  
B1758-01MSD  
SG-52-0510  
SS-2

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : \_\_\_\_\_



## CASE NARRATIVE

**AECOM Technical Services Northeast, Inc**  
**Project Name: Hazeltine DEC site No. 1-52-005**  
**Project # N/A**  
**Chemtech Project # B1758**

### **A. Number of Samples and Date of Receipt:**

1 Solid sample was received on 4/1/10.  
4 Solid samples were received on 4/1/10.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Encore Kit, and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

### **C. Analytical Techniques:**

The analysis performed on instrument MSVOA K were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator. The analysis performed on instrument MSVOA E were done using GC column RTX-VMS which is 60 meters, 0.25 ID, 1.40 df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator.

The analysis of VOC-TCLVOA-10 was based on method 8260B.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.  
The Surrogate recoveries met the acceptable criteria.  
The Internal Standards Areas met the acceptable requirements.  
The Retention Times were acceptable for all samples.  
The MS recoveries met the requirements for all compounds except for Trichloroethene, Tetrachloroethene and 1,2,4-Trichlorobenzene.  
The MSD recoveries met the acceptable requirements except for Trichloroethene, 1,2,4-Trichlorobenzene and Tetrachloroethene.  
The RPD recoveries met criteria except for Acetone, Methyl Acetate, Trichloroethene and Tetrachloroethene.  
The Blank Spike met requirements for all samples.  
The Blank analysis did not indicate the presence of lab contamination.  
The %RSD is greater than 15% in the Initial Calibration (Method 82E040210W.M) for 1,1-Dichloroethane, 2-Butanone, cis-1,2-dichloroethene, Toluene, Ethyl benzene and O-Xylene. These compounds are passing on linear regressions/Quadratic regression, however in this case it was left on average response factor.  
The %RSD is greater than 15% in the Initial Calibration (Method 82K040110S.M.) for Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane 1,1-Dichloroethene and Carbon Disulfide. These compounds are passing on linear

regressions/Quadratic regression, however in this case it was left on average response factor.

The ICV (File ID:VK038279.D Method 82K040110S.M.) met the requirements except for Dichlorodifluoromethane and Chloromethane.

The Continuing Calibration (File ID:VK038296.D Method 82K040110S.M.) met the requirements except for Dichlorodifluoromethane and 1,1,2-Trichloro-1,2,2-trifluoroethane these compounds are biased high and they were not detected in any of the Samples.

The Tuning criteria met requirements.

Samples SG-2-0510, SG-52-0510 and SS-2 were diluted due to high concentrations.

**E. Additional Comments:**

Please use %D calculated based on AvgRF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration Curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature\_\_\_\_\_



1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-2-0510

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: B1758-01Sample wt/vol: 4.98 (g/mL) g Lab File ID: VK038303.DLevel: (low/med) LOW Date Received: 04/01/10% Moisture: not dec. 19 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume:                      (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                                |     |   |
|-----------|--------------------------------|-----|---|
| 75-71-8   | Dichlorodifluoromethane        | 6.2 | U |
| 74-87-3   | Chloromethane                  | 6.2 | U |
| 75-01-4   | Vinyl Chloride                 | 6.2 | U |
| 74-83-9   | Bromomethane                   | 6.2 | U |
| 75-00-3   | Chloroethane                   | 6.2 | U |
| 75-69-4   | Trichlorofluoromethane         | 6.2 | U |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 6.2 | U |
| 75-35-4   | 1,1-Dichloroethene             | 6.2 | U |
| 67-64-1   | Acetone                        | 20  | J |
| 75-15-0   | Carbon Disulfide               | 6.2 | U |
| 1634-04-4 | Methyl tert-butyl Ether        | 6.2 | U |
| 79-20-9   | Methyl Acetate                 | 6.2 | U |
| 75-09-2   | Methylene Chloride             | 6.2 | U |
| 156-60-5  | trans-1,2-Dichloroethene       | 6.2 | U |
| 75-34-3   | 1,1-Dichloroethane             | 6.2 | U |
| 110-82-7  | Cyclohexane                    | 6.2 | U |
| 78-93-3   | 2-Butanone                     | 31  | U |
| 56-23-5   | Carbon Tetrachloride           | 6.2 | U |
| 156-59-2  | cis-1,2-Dichloroethene         | 18  |   |
| 67-66-3   | Chloroform                     | 6.2 | U |
| 71-55-6   | 1,1,1-Trichloroethane          | 4.8 | J |
| 108-87-2  | Methylcyclohexane              | 6.2 | U |
| 71-43-2   | Benzene                        | 6.2 | U |
| 107-06-2  | 1,2-Dichloroethane             | 6.2 | U |
| 79-01-6   | Trichloroethene                | 65  |   |
| 78-87-5   | 1,2-Dichloropropane            | 6.2 | U |
| 75-27-4   | Bromodichloromethane           | 6.2 | U |



1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-2-0510

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: B1758-01Sample wt/vol: 4.98 (g/mL) g Lab File ID: VK038303.DLevel: (low/med) LOW Date Received: 04/01/10% Moisture: not dec. 19 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume:            (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |      |   |
|-------------|-----------------------------|------|---|
| 108-10-1    | 4-Methyl-2-Pentanone        | 31   | U |
| 108-88-3    | Toluene                     | 6.2  | U |
| 10061-02-6  | t-1,3-Dichloropropene       | 6.2  | U |
| 10061-01-5  | cis-1,3-Dichloropropene     | 6.2  | U |
| 79-00-5     | 1,1,2-Trichloroethane       | 6.2  | U |
| 591-78-6    | 2-Hexanone                  | 31   | U |
| 124-48-1    | Dibromochloromethane        | 6.2  | U |
| 106-93-4    | 1,2-Dibromoethane           | 6.2  | U |
| 127-18-4    | Tetrachloroethene           | 1200 | E |
| 108-90-7    | Chlorobenzene               | 6.2  | U |
| 100-41-4    | Ethyl Benzene               | 6.2  | U |
| 179601-23-1 | m/p-Xylenes                 | 12   | U |
| 95-47-6     | o-Xylene                    | 6.2  | U |
| 100-42-5    | Styrene                     | 6.2  | U |
| 75-25-2     | Bromoform                   | 6.2  | U |
| 98-82-8     | Isopropylbenzene            | 6.2  | U |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 6.2  | U |
| 541-73-1    | 1,3-Dichlorobenzene         | 6.2  | U |
| 106-46-7    | 1,4-Dichlorobenzene         | 6.2  | U |
| 95-50-1     | 1,2-Dichlorobenzene         | 6.2  | U |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 6.2  | U |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 6.2  | U |



## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-2-0510DL

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: B1758-01DLSample wt/vol: 5.02 (g/mL) g Lab File ID: VE017623.DLevel: (low/med) MED Date Received: 04/01/10% Moisture: not dec. 19 Date Analyzed: 04/05/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                                |      |   |
|-----------|--------------------------------|------|---|
| 75-71-8   | Dichlorodifluoromethane        | 610  | U |
| 74-87-3   | Chloromethane                  | 610  | U |
| 75-01-4   | Vinyl Chloride                 | 610  | U |
| 74-83-9   | Bromomethane                   | 610  | U |
| 75-00-3   | Chloroethane                   | 610  | U |
| 75-69-4   | Trichlorofluoromethane         | 610  | U |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 610  | U |
| 75-35-4   | 1,1-Dichloroethene             | 610  | U |
| 67-64-1   | Acetone                        | 3100 | U |
| 75-15-0   | Carbon Disulfide               | 610  | U |
| 1634-04-4 | Methyl tert-butyl Ether        | 610  | U |
| 79-20-9   | Methyl Acetate                 | 610  | U |
| 75-09-2   | Methylene Chloride             | 610  | U |
| 156-60-5  | trans-1,2-Dichloroethene       | 610  | U |
| 75-34-3   | 1,1-Dichloroethane             | 610  | U |
| 110-82-7  | Cyclohexane                    | 610  | U |
| 78-93-3   | 2-Butanone                     | 3100 | U |
| 56-23-5   | Carbon Tetrachloride           | 610  | U |
| 156-59-2  | cis-1,2-Dichloroethene         | 610  | U |
| 67-66-3   | Chloroform                     | 610  | U |
| 71-55-6   | 1,1,1-Trichloroethane          | 610  | U |
| 108-87-2  | Methylcyclohexane              | 610  | U |
| 71-43-2   | Benzene                        | 610  | U |
| 107-06-2  | 1,2-Dichloroethane             | 610  | U |
| 79-01-6   | Trichloroethene                | 610  | U |
| 78-87-5   | 1,2-Dichloropropane            | 610  | U |
| 75-27-4   | Bromodichloromethane           | 610  | U |
| 108-10-1  | 4-Methyl-2-Pentanone           | 3100 | U |
| 108-88-3  | Toluene                        | 610  | U |



1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-2-0510DL

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: B1758-01DLSample wt/vol: 5.02 (g/mL) g Lab File ID: VE017623.DLevel: (low/med) MED Date Received: 04/01/10% Moisture: not dec. 19 Date Analyzed: 04/05/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |      |   |
|-------------|-----------------------------|------|---|
| 10061-02-6  | t-1,3-Dichloropropene       | 610  | U |
| 10061-01-5  | cis-1,3-Dichloropropene     | 610  | U |
| 79-00-5     | 1,1,2-Trichloroethane       | 610  | U |
| 591-78-6    | 2-Hexanone                  | 3100 | U |
| 124-48-1    | Dibromochloromethane        | 610  | U |
| 106-93-4    | 1,2-Dibromoethane           | 610  | U |
| 127-18-4    | Tetrachloroethene           | 2500 | D |
| 108-90-7    | Chlorobenzene               | 610  | U |
| 100-41-4    | Ethyl Benzene               | 610  | U |
| 179601-23-1 | m/p-Xylenes                 | 1200 | U |
| 95-47-6     | o-Xylene                    | 610  | U |
| 100-42-5    | Styrene                     | 610  | U |
| 75-25-2     | Bromoform                   | 610  | U |
| 98-82-8     | Isopropylbenzene            | 610  | U |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 610  | U |
| 541-73-1    | 1,3-Dichlorobenzene         | 610  | U |
| 106-46-7    | 1,4-Dichlorobenzene         | 610  | U |
| 95-50-1     | 1,2-Dichlorobenzene         | 610  | U |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 610  | U |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 610  | U |





## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-52-0510

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: B1758-04Sample wt/vol: 4.98 (g/mL) g Lab File ID: VK038304.DLevel: (low/med) LOW Date Received: 04/01/10% Moisture: not dec. 18 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume:            (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                                |     |   |
|-----------|--------------------------------|-----|---|
| 75-71-8   | Dichlorodifluoromethane        | 6.1 | U |
| 74-87-3   | Chloromethane                  | 6.1 | U |
| 75-01-4   | Vinyl Chloride                 | 6.1 | U |
| 74-83-9   | Bromomethane                   | 6.1 | U |
| 75-00-3   | Chloroethane                   | 6.1 | U |
| 75-69-4   | Trichlorofluoromethane         | 6.1 | U |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 6.1 | U |
| 75-35-4   | 1,1-Dichloroethene             | 6.1 | U |
| 67-64-1   | Acetone                        | 16  | J |
| 75-15-0   | Carbon Disulfide               | 6.1 | U |
| 1634-04-4 | Methyl tert-butyl Ether        | 6.1 | U |
| 79-20-9   | Methyl Acetate                 | 6.1 | U |
| 75-09-2   | Methylene Chloride             | 6.1 | U |
| 156-60-5  | trans-1,2-Dichloroethene       | 1.3 | J |
| 75-34-3   | 1,1-Dichloroethane             | 6.1 | U |
| 110-82-7  | Cyclohexane                    | 6.1 | U |
| 78-93-3   | 2-Butanone                     | 31  | U |
| 56-23-5   | Carbon Tetrachloride           | 6.1 | U |
| 156-59-2  | cis-1,2-Dichloroethene         | 26  |   |
| 67-66-3   | Chloroform                     | 6.1 | U |
| 71-55-6   | 1,1,1-Trichloroethane          | 6.4 |   |
| 108-87-2  | Methylcyclohexane              | 6.1 | U |
| 71-43-2   | Benzene                        | 6.1 | U |
| 107-06-2  | 1,2-Dichloroethane             | 6.1 | U |
| 79-01-6   | Trichloroethene                | 110 |   |
| 78-87-5   | 1,2-Dichloropropane            | 6.1 | U |
| 75-27-4   | Bromodichloromethane           | 6.1 | U |
| 108-10-1  | 4-Methyl-2-Pentanone           | 31  | U |
| 108-88-3  | Toluene                        | 6.1 | U |



1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-52-0510

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: B1758-04Sample wt/vol: 4.98 (g/mL) g Lab File ID: VK038304.DLevel: (low/med) LOW Date Received: 04/01/10% Moisture: not dec. 18 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume:            (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |      |   |
|-------------|-----------------------------|------|---|
| 10061-02-6  | t-1,3-Dichloropropene       | 6.1  | U |
| 10061-01-5  | cis-1,3-Dichloropropene     | 6.1  | U |
| 79-00-5     | 1,1,2-Trichloroethane       | 6.1  | U |
| 591-78-6    | 2-Hexanone                  | 31   | U |
| 124-48-1    | Dibromochloromethane        | 6.1  | U |
| 106-93-4    | 1,2-Dibromoethane           | 6.1  | U |
| 127-18-4    | Tetrachloroethene           | 2100 | E |
| 108-90-7    | Chlorobenzene               | 6.1  | U |
| 100-41-4    | Ethyl Benzene               | 6.1  | U |
| 179601-23-1 | m/p-Xylenes                 | 2.6  | J |
| 95-47-6     | o-Xylene                    | 1.5  | J |
| 100-42-5    | Styrene                     | 6.1  | U |
| 75-25-2     | Bromoform                   | 6.1  | U |
| 98-82-8     | Isopropylbenzene            | 6.1  | U |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 6.1  | U |
| 541-73-1    | 1,3-Dichlorobenzene         | 6.1  | U |
| 106-46-7    | 1,4-Dichlorobenzene         | 6.1  | U |
| 95-50-1     | 1,2-Dichlorobenzene         | 6.1  | U |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 6.1  | U |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 6.1  | U |



## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-52-0510DL

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: B1758-04DLSample wt/vol: 4.98 (g/mL) g Lab File ID: VE017625.DLevel: (low/med) MED Date Received: 04/01/10% Moisture: not dec. 18 Date Analyzed: 04/05/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                                |      |   |
|-----------|--------------------------------|------|---|
| 75-71-8   | Dichlorodifluoromethane        | 610  | U |
| 74-87-3   | Chloromethane                  | 610  | U |
| 75-01-4   | Vinyl Chloride                 | 610  | U |
| 74-83-9   | Bromomethane                   | 610  | U |
| 75-00-3   | Chloroethane                   | 610  | U |
| 75-69-4   | Trichlorofluoromethane         | 610  | U |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 610  | U |
| 75-35-4   | 1,1-Dichloroethene             | 610  | U |
| 67-64-1   | Acetone                        | 3100 | U |
| 75-15-0   | Carbon Disulfide               | 610  | U |
| 1634-04-4 | Methyl tert-butyl Ether        | 610  | U |
| 79-20-9   | Methyl Acetate                 | 610  | U |
| 75-09-2   | Methylene Chloride             | 610  | U |
| 156-60-5  | trans-1,2-Dichloroethene       | 610  | U |
| 75-34-3   | 1,1-Dichloroethane             | 610  | U |
| 110-82-7  | Cyclohexane                    | 610  | U |
| 78-93-3   | 2-Butanone                     | 3100 | U |
| 56-23-5   | Carbon Tetrachloride           | 610  | U |
| 156-59-2  | cis-1,2-Dichloroethene         | 610  | U |
| 67-66-3   | Chloroform                     | 610  | U |
| 71-55-6   | 1,1,1-Trichloroethane          | 610  | U |
| 108-87-2  | Methylcyclohexane              | 610  | U |
| 71-43-2   | Benzene                        | 610  | U |
| 107-06-2  | 1,2-Dichloroethane             | 610  | U |
| 79-01-6   | Trichloroethene                | 610  | U |
| 78-87-5   | 1,2-Dichloropropane            | 610  | U |
| 75-27-4   | Bromodichloromethane           | 610  | U |
| 108-10-1  | 4-Methyl-2-Pentanone           | 3100 | U |
| 108-88-3  | Toluene                        | 610  | U |



1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-52-0510DL

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: B1758-04DLSample wt/vol: 4.98 (g/mL) g Lab File ID: VE017625.DLevel: (low/med) MED Date Received: 04/01/10% Moisture: not dec. 18 Date Analyzed: 04/05/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |      |   |
|-------------|-----------------------------|------|---|
| 10061-02-6  | t-1,3-Dichloropropene       | 610  | U |
| 10061-01-5  | cis-1,3-Dichloropropene     | 610  | U |
| 79-00-5     | 1,1,2-Trichloroethane       | 610  | U |
| 591-78-6    | 2-Hexanone                  | 3100 | U |
| 124-48-1    | Dibromochloromethane        | 610  | U |
| 106-93-4    | 1,2-Dibromoethane           | 610  | U |
| 127-18-4    | Tetrachloroethene           | 3700 | D |
| 108-90-7    | Chlorobenzene               | 610  | U |
| 100-41-4    | Ethyl Benzene               | 610  | U |
| 179601-23-1 | m/p-Xylenes                 | 1200 | U |
| 95-47-6     | o-Xylene                    | 610  | U |
| 100-42-5    | Styrene                     | 610  | U |
| 75-25-2     | Bromoform                   | 610  | U |
| 98-82-8     | Isopropylbenzene            | 610  | U |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 610  | U |
| 541-73-1    | 1,3-Dichlorobenzene         | 610  | U |
| 106-46-7    | 1,4-Dichlorobenzene         | 610  | U |
| 95-50-1     | 1,2-Dichlorobenzene         | 610  | U |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 610  | U |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 610  | U |



## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: B1758-05Sample wt/vol: 5.04 (g/mL) g Lab File ID: VK038302.DLevel: (low/med) LOW Date Received: 04/02/10% Moisture: not dec. 12 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume:            (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                                |     |   |
|-----------|--------------------------------|-----|---|
| 75-71-8   | Dichlorodifluoromethane        | 5.6 | U |
| 74-87-3   | Chloromethane                  | 5.6 | U |
| 75-01-4   | Vinyl Chloride                 | 5.6 | U |
| 74-83-9   | Bromomethane                   | 5.6 | U |
| 75-00-3   | Chloroethane                   | 5.6 | U |
| 75-69-4   | Trichlorofluoromethane         | 5.6 | U |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 5.6 | U |
| 75-35-4   | 1,1-Dichloroethene             | 5.6 | U |
| 67-64-1   | Acetone                        | 76  |   |
| 75-15-0   | Carbon Disulfide               | 5.6 | U |
| 1634-04-4 | Methyl tert-butyl Ether        | 5.6 | U |
| 79-20-9   | Methyl Acetate                 | 5.6 | U |
| 75-09-2   | Methylene Chloride             | 3.2 | J |
| 156-60-5  | trans-1,2-Dichloroethene       | 5.6 | U |
| 75-34-3   | 1,1-Dichloroethane             | 5.6 | U |
| 110-82-7  | Cyclohexane                    | 5.6 | U |
| 78-93-3   | 2-Butanone                     | 28  | U |
| 56-23-5   | Carbon Tetrachloride           | 5.6 | U |
| 156-59-2  | cis-1,2-Dichloroethene         | 5.6 | U |
| 67-66-3   | Chloroform                     | 5.6 | U |
| 71-55-6   | 1,1,1-Trichloroethane          | 5.6 | U |
| 108-87-2  | Methylcyclohexane              | 5.6 | U |
| 71-43-2   | Benzene                        | 5.6 | U |
| 107-06-2  | 1,2-Dichloroethane             | 5.6 | U |
| 79-01-6   | Trichloroethene                | 6.5 |   |
| 78-87-5   | 1,2-Dichloropropane            | 5.6 | U |
| 75-27-4   | Bromodichloromethane           | 5.6 | U |
| 108-10-1  | 4-Methyl-2-Pentanone           | 28  | U |
| 108-88-3  | Toluene                        | 5.6 | U |

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-05

Sample wt/vol: 5.04 (g/mL) g Lab File ID: VK038302.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: not dec. 12 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume:            (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |      |   |
|-------------|-----------------------------|------|---|
| 10061-02-6  | t-1,3-Dichloropropene       | 5.6  | U |
| 10061-01-5  | cis-1,3-Dichloropropene     | 5.6  | U |
| 79-00-5     | 1,1,2-Trichloroethane       | 5.6  | U |
| 591-78-6    | 2-Hexanone                  | 28   | U |
| 124-48-1    | Dibromochloromethane        | 5.6  | U |
| 106-93-4    | 1,2-Dibromoethane           | 5.6  | U |
| 127-18-4    | Tetrachloroethene           | 1400 | E |
| 108-90-7    | Chlorobenzene               | 5.6  | U |
| 100-41-4    | Ethyl Benzene               | 5.6  | U |
| 179601-23-1 | m/p-Xylenes                 | 11   | U |
| 95-47-6     | o-Xylene                    | 5.6  | U |
| 100-42-5    | Styrene                     | 5.6  | U |
| 75-25-2     | Bromoform                   | 5.6  | U |
| 98-82-8     | Isopropylbenzene            | 5.6  | U |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 5.6  | U |
| 541-73-1    | 1,3-Dichlorobenzene         | 5.6  | U |
| 106-46-7    | 1,4-Dichlorobenzene         | 5.6  | U |
| 95-50-1     | 1,2-Dichlorobenzene         | 5.6  | U |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 5.6  | U |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 5.6  | U |



-1E-

SOIL VOLATILE ANALYSIS  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-2

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-05

Sample wt/vol: 5.04 (g/mL) g Lab File ID: VK038302.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: not dec. 12 Date Analyzed: 04/05/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:                     

Number TICS found: 2 Concentration Units: ug/Kg  
(ug/L or ug/Kg)

| CAS NUMBER | COMPOUND NAME       | RT    | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 67-72-1    | Hexachloroethane    | 8.9   | 4.9        | J |
| 87-68-3    | Hexachlorobutadiene | 10.03 | 16         | J |



## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2DL

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: B1758-05DLSample wt/vol: 5 (g/mL) g Lab File ID: VE017624.DLevel: (low/med) MED Date Received: 04/02/10% Moisture: not dec. 12 Date Analyzed: 04/05/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                                |      |   |
|-----------|--------------------------------|------|---|
| 75-71-8   | Dichlorodifluoromethane        | 570  | U |
| 74-87-3   | Chloromethane                  | 570  | U |
| 75-01-4   | Vinyl Chloride                 | 570  | U |
| 74-83-9   | Bromomethane                   | 570  | U |
| 75-00-3   | Chloroethane                   | 570  | U |
| 75-69-4   | Trichlorofluoromethane         | 570  | U |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 570  | U |
| 75-35-4   | 1,1-Dichloroethene             | 570  | U |
| 67-64-1   | Acetone                        | 2800 | U |
| 75-15-0   | Carbon Disulfide               | 570  | U |
| 1634-04-4 | Methyl tert-butyl Ether        | 570  | U |
| 79-20-9   | Methyl Acetate                 | 570  | U |
| 75-09-2   | Methylene Chloride             | 570  | U |
| 156-60-5  | trans-1,2-Dichloroethene       | 570  | U |
| 75-34-3   | 1,1-Dichloroethane             | 570  | U |
| 110-82-7  | Cyclohexane                    | 570  | U |
| 78-93-3   | 2-Butanone                     | 2800 | U |
| 56-23-5   | Carbon Tetrachloride           | 570  | U |
| 156-59-2  | cis-1,2-Dichloroethene         | 570  | U |
| 67-66-3   | Chloroform                     | 570  | U |
| 71-55-6   | 1,1,1-Trichloroethane          | 570  | U |
| 108-87-2  | Methylcyclohexane              | 570  | U |
| 71-43-2   | Benzene                        | 570  | U |
| 107-06-2  | 1,2-Dichloroethane             | 570  | U |
| 79-01-6   | Trichloroethene                | 570  | U |
| 78-87-5   | 1,2-Dichloropropane            | 570  | U |
| 75-27-4   | Bromodichloromethane           | 570  | U |
| 108-10-1  | 4-Methyl-2-Pentanone           | 2800 | U |
| 108-88-3  | Toluene                        | 570  | U |





1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2DL

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: B1758-05DLSample wt/vol: 5 (g/mL) g Lab File ID: VE017624.DLevel: (low/med) MED Date Received: 04/02/10% Moisture: not dec. 12 Date Analyzed: 04/05/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |      |   |
|-------------|-----------------------------|------|---|
| 10061-02-6  | t-1,3-Dichloropropene       | 570  | U |
| 10061-01-5  | cis-1,3-Dichloropropene     | 570  | U |
| 79-00-5     | 1,1,2-Trichloroethane       | 570  | U |
| 591-78-6    | 2-Hexanone                  | 2800 | U |
| 124-48-1    | Dibromochloromethane        | 570  | U |
| 106-93-4    | 1,2-Dibromoethane           | 570  | U |
| 127-18-4    | Tetrachloroethene           | 2200 | D |
| 108-90-7    | Chlorobenzene               | 570  | U |
| 100-41-4    | Ethyl Benzene               | 570  | U |
| 179601-23-1 | m/p-Xylenes                 | 1100 | U |
| 95-47-6     | o-Xylene                    | 570  | U |
| 100-42-5    | Styrene                     | 570  | U |
| 75-25-2     | Bromoform                   | 570  | U |
| 98-82-8     | Isopropylbenzene            | 570  | U |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 570  | U |
| 541-73-1    | 1,3-Dichlorobenzene         | 570  | U |
| 106-46-7    | 1,4-Dichlorobenzene         | 570  | U |
| 95-50-1     | 1,2-Dichlorobenzene         | 570  | U |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 570  | U |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 570  | U |

## Hit Summary Sheet

SW-846

SDG No.: B1758

Client: AECOM Technical Services Northeast, Inc

| Sample ID                   | Client ID           | Matrix | Parameter                | Concentration | C               | RDL | MDL  | Units |
|-----------------------------|---------------------|--------|--------------------------|---------------|-----------------|-----|------|-------|
| <b>Client ID:</b>           | <b>SG-2-0510</b>    |        |                          |               |                 |     |      |       |
| B1758-01                    | SG-2-0510           | SOIL   | Acetone                  | 20.00         | J               | 31  | 3.7  | ug/Kg |
| B1758-01                    | SG-2-0510           | SOIL   | cis-1,2-Dichloroethene   | 18.00         |                 | 6.2 | 1.1  | ug/Kg |
| B1758-01                    | SG-2-0510           | SOIL   | 1,1,1-Trichloroethane    | 4.80          | J               | 6.2 | 1.1  | ug/Kg |
| B1758-01                    | SG-2-0510           | SOIL   | Trichloroethene          | 65.00         |                 | 6.2 | 1.1  | ug/Kg |
| B1758-01                    | SG-2-0510           | SOIL   | Tetrachloroethene        | 1,200.00      | E               | 6.2 | 1.3  | ug/Kg |
| <b>Total Voc :</b>          |                     |        |                          |               | <b>1,307.80</b> |     |      |       |
| <b>Total Concentration:</b> |                     |        |                          |               | <b>1,307.80</b> |     |      |       |
| <b>Client ID:</b>           | <b>SG-2-0510DL</b>  |        |                          |               |                 |     |      |       |
| B1758-01DL                  | SG-2-0510DL         | SOIL   | Tetrachloroethene        | 2,500.00      | D               | 610 | 33   | ug/Kg |
| <b>Total Voc :</b>          |                     |        |                          |               | <b>2,500.00</b> |     |      |       |
| <b>Total Concentration:</b> |                     |        |                          |               | <b>2,500.00</b> |     |      |       |
| <b>Client ID:</b>           | <b>SG-52-0510</b>   |        |                          |               |                 |     |      |       |
| B1758-04                    | SG-52-0510          | SOIL   | Acetone                  | 16.00         | J               | 31  | 3.7  | ug/Kg |
| B1758-04                    | SG-52-0510          | SOIL   | trans-1,2-Dichloroethene | 1.30          | J               | 6.1 | 0.84 | ug/Kg |
| B1758-04                    | SG-52-0510          | SOIL   | cis-1,2-Dichloroethene   | 26.00         |                 | 6.1 | 1.1  | ug/Kg |
| B1758-04                    | SG-52-0510          | SOIL   | 1,1,1-Trichloroethane    | 6.40          |                 | 6.1 | 1.1  | ug/Kg |
| B1758-04                    | SG-52-0510          | SOIL   | Trichloroethene          | 110.00        |                 | 6.1 | 1.1  | ug/Kg |
| B1758-04                    | SG-52-0510          | SOIL   | Tetrachloroethene        | 2,100.00      | E               | 6.1 | 1.2  | ug/Kg |
| B1758-04                    | SG-52-0510          | SOIL   | m/p-Xylenes              | 2.60          | J               | 12  | 0.88 | ug/Kg |
| B1758-04                    | SG-52-0510          | SOIL   | o-Xylene                 | 1.50          | J               | 6.1 | 0.83 | ug/Kg |
| <b>Total Voc :</b>          |                     |        |                          |               | <b>2,263.80</b> |     |      |       |
| <b>Total Concentration:</b> |                     |        |                          |               | <b>2,263.80</b> |     |      |       |
| <b>Client ID:</b>           | <b>SG-52-0510DL</b> |        |                          |               |                 |     |      |       |
| B1758-04DL                  | SG-52-0510DL        | SOIL   | Tetrachloroethene        | 3,700.00      | D               | 610 | 33   | ug/Kg |
| <b>Total Voc :</b>          |                     |        |                          |               | <b>3,700.00</b> |     |      |       |
| <b>Total Concentration:</b> |                     |        |                          |               | <b>3,700.00</b> |     |      |       |
| <b>Client ID:</b>           | <b>SS-2</b>         |        |                          |               |                 |     |      |       |
| B1758-05                    | SS-2                | SOIL   | Acetone                  | 76.00         |                 | 28  | 3.4  | ug/Kg |
| B1758-05                    | SS-2                | SOIL   | Methylene Chloride       | 3.20          | J               | 5.6 | 1.6  | ug/Kg |
| B1758-05                    | SS-2                | SOIL   | Trichloroethene          | 6.50          |                 | 5.6 | 0.97 | ug/Kg |
| B1758-05                    | SS-2                | SOIL   | Tetrachloroethene        | 1,400.00      | E               | 5.6 | 1.1  | ug/Kg |
| <b>Total Voc :</b>          |                     |        |                          |               | <b>1,485.70</b> |     |      |       |
| B1758-05                    | SS-2                | SOIL   | Hexachloroethane         | * 4.90        | J               | 5.6 | 0.86 | ug/Kg |
| B1758-05                    | SS-2                | SOIL   | Hexachlorobutadiene      | * 16.00       | J               | 5.6 | 0.89 | ug/Kg |
| <b>Total Tics :</b>         |                     |        |                          |               | <b>20.90</b>    |     |      |       |
| <b>Total Concentration:</b> |                     |        |                          |               | <b>1,506.60</b> |     |      |       |
| <b>Client ID:</b>           | <b>SS-2DL</b>       |        |                          |               |                 |     |      |       |
| B1758-05DL                  | SS-2DL              | SOIL   | Tetrachloroethene        | 2,200.00      | D               | 570 | 31   | ug/Kg |
| <b>Total Voc :</b>          |                     |        |                          |               | <b>2,200.00</b> |     |      |       |
| <b>Total Concentration:</b> |                     |        |                          |               | <b>2,200.00</b> |     |      |       |

## Hit Summary Sheet

SW-846

SDG No.: B1758

Client: AECOM Technical Services Northeast, Inc

| Sample ID                   | Client ID           | Matrix | Parameter                | Concentration | C               | RDL | MDL  | Units |
|-----------------------------|---------------------|--------|--------------------------|---------------|-----------------|-----|------|-------|
| <b>Client ID:</b>           | <b>SG-1-0510</b>    |        |                          |               |                 |     |      |       |
| B1758-01                    | SG-1-0510           | SOIL   | Acetone                  | 20.00         | J               | 31  | 3.7  | ug/Kg |
| B1758-01                    | SG-1-0510           | SOIL   | cis-1,2-Dichloroethene   | 18.00         |                 | 6.2 | 1.1  | ug/Kg |
| B1758-01                    | SG-1-0510           | SOIL   | 1,1,1-Trichloroethane    | 4.80          | J               | 6.2 | 1.1  | ug/Kg |
| B1758-01                    | SG-1-0510           | SOIL   | Trichloroethene          | 65.00         |                 | 6.2 | 1.1  | ug/Kg |
| B1758-01                    | SG-1-0510           | SOIL   | Tetrachloroethene        | 1,200.00      | E               | 6.2 | 1.3  | ug/Kg |
| <b>Total Voc :</b>          |                     |        |                          |               | <b>1,307.80</b> |     |      |       |
| <b>Total Concentration:</b> |                     |        |                          |               | <b>1,307.80</b> |     |      |       |
| <b>Client ID:</b>           | <b>SG-1-0510DL</b>  |        |                          |               |                 |     |      |       |
| B1758-01DL                  | SG-1-0510DL         | SOIL   | Tetrachloroethene        | 2,500.00      | D               | 610 | 33   | ug/Kg |
| <b>Total Voc :</b>          |                     |        |                          |               | <b>2,500.00</b> |     |      |       |
| <b>Total Concentration:</b> |                     |        |                          |               | <b>2,500.00</b> |     |      |       |
| <b>Client ID:</b>           | <b>SG-51-0510</b>   |        |                          |               |                 |     |      |       |
| B1758-04                    | SG-51-0510          | SOIL   | Acetone                  | 16.00         | J               | 31  | 3.7  | ug/Kg |
| B1758-04                    | SG-51-0510          | SOIL   | trans-1,2-Dichloroethene | 1.30          | J               | 6.1 | 0.84 | ug/Kg |
| B1758-04                    | SG-51-0510          | SOIL   | cis-1,2-Dichloroethene   | 26.00         |                 | 6.1 | 1.1  | ug/Kg |
| B1758-04                    | SG-51-0510          | SOIL   | 1,1,1-Trichloroethane    | 6.40          |                 | 6.1 | 1.1  | ug/Kg |
| B1758-04                    | SG-51-0510          | SOIL   | Trichloroethene          | 110.00        |                 | 6.1 | 1.1  | ug/Kg |
| B1758-04                    | SG-51-0510          | SOIL   | Tetrachloroethene        | 2,100.00      | E               | 6.1 | 1.2  | ug/Kg |
| B1758-04                    | SG-51-0510          | SOIL   | m/p-Xylenes              | 2.60          | J               | 12  | 0.88 | ug/Kg |
| B1758-04                    | SG-51-0510          | SOIL   | o-Xylene                 | 1.50          | J               | 6.1 | 0.83 | ug/Kg |
| <b>Total Voc :</b>          |                     |        |                          |               | <b>2,263.80</b> |     |      |       |
| <b>Total Concentration:</b> |                     |        |                          |               | <b>2,263.80</b> |     |      |       |
| <b>Client ID:</b>           | <b>SG-51-0510DL</b> |        |                          |               |                 |     |      |       |
| B1758-04DL                  | SG-51-0510DL        | SOIL   | Tetrachloroethene        | 3,700.00      | D               | 610 | 33   | ug/Kg |
| <b>Total Voc :</b>          |                     |        |                          |               | <b>3,700.00</b> |     |      |       |
| <b>Total Concentration:</b> |                     |        |                          |               | <b>3,700.00</b> |     |      |       |
| <b>Client ID:</b>           | <b>SS-2</b>         |        |                          |               |                 |     |      |       |
| B1758-05                    | SS-2                | SOIL   | Acetone                  | 76.00         |                 | 28  | 3.4  | ug/Kg |
| B1758-05                    | SS-2                | SOIL   | Methylene Chloride       | 3.20          | J               | 5.6 | 1.6  | ug/Kg |
| B1758-05                    | SS-2                | SOIL   | Trichloroethene          | 6.50          |                 | 5.6 | 0.97 | ug/Kg |
| B1758-05                    | SS-2                | SOIL   | Tetrachloroethene        | 1,400.00      | E               | 5.6 | 1.1  | ug/Kg |
| <b>Total Voc :</b>          |                     |        |                          |               | <b>1,485.70</b> |     |      |       |
| B1758-05                    | SS-2                | SOIL   | Hexachloroethane         | * 4.90        | J               | 5.6 | 0.86 | ug/Kg |
| B1758-05                    | SS-2                | SOIL   | Hexachlorobutadiene      | * 16.00       | J               | 5.6 | 0.89 | ug/Kg |
| <b>Total Tics :</b>         |                     |        |                          |               | <b>20.90</b>    |     |      |       |
| <b>Total Concentration:</b> |                     |        |                          |               | <b>1,506.60</b> |     |      |       |
| <b>Client ID:</b>           | <b>SS-2DL</b>       |        |                          |               |                 |     |      |       |
| B1758-05DL                  | SS-2DL              | SOIL   | Tetrachloroethene        | 2,200.00      | D               | 570 | 31   | ug/Kg |
| <b>Total Voc :</b>          |                     |        |                          |               | <b>2,200.00</b> |     |      |       |
| <b>Total Concentration:</b> |                     |        |                          |               | <b>2,200.00</b> |     |      |       |

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Contract: EART05

Lab Code: CHEM CASE No.: B1758 SAS No.: B1758 SDG NO.: B1758

Level: (low/med) MED

|    | EPA<br>Sample NO. | SMC1<br>(DCE) # | SMC2<br>(DBFM) # | SMC3<br>(TOL) # | SMC4<br>(BFB) # | TOT<br>OUT |
|----|-------------------|-----------------|------------------|-----------------|-----------------|------------|
| 01 | VBE0405M1         | 104             | 108              | 100             | 103             | 0          |
| 02 | BSE0405M1         | 113             | 108              | 104             | 114             | 0          |
| 03 | SG-1-0510DL       | 102             | 102              | 101             | 103             | 0          |
| 04 | SS-2DL            | 103             | 103              | 101             | 103             | 0          |
| 05 | SG-51-0510DL      | 104             | 102              | 100             | 101             | 0          |

|    | EPA<br>Sample NO. | SMC1<br>(DCE) # | SMC2<br>(DBFM) # | SMC3<br>(TOL) # | SMC4<br>(BFB) # | TOT<br>OUT |
|----|-------------------|-----------------|------------------|-----------------|-----------------|------------|
| 01 | VBK0405S1         | 105             | 106              | 96              | 101             | 0          |
| 02 | BSK0405S1         | 105             | 100              | 99              | 100             | 0          |
| 03 | SS-2              | 92              | 100              | 94              | 91              | 0          |
| 04 | SG-1-0510         | 92              | 104              | 97              | 94              | 0          |
| 05 | SG-51-0510        | 88              | 102              | 98              | 76              | 0          |
| 06 | SG-1-0510MS       | 90              | 104              | 97              | 82              | 0          |
| 07 | SG-1-0510MSD      | 95              | 103              | 98              | 90              | 0          |

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (72-141)

SMC2 (DBFM) =Dibromofluoromethane (70-139)

SMC3 (TOL) =Toluene-d8 (85-115)

SMC4 (BFB) =4-Bromofluorobenzene (85-120)

# Column to be used to flag recovery values

\* Values outside of contract required QC Limits

## SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: EART05

Lab Code: CHEM Cas No: B1758 SAS No : B1758 SDG No: B1758

Matrix Spike - EPA Sample No : B1758-02

| COMPOUND                       | SPIKE<br>ADDED<br>(ug/Kg) | SAMPLE<br>CONCENTRATION<br>(ug/Kg) | MS<br>CONCENTRATION<br>(ug/Kg) | MS<br>%<br>REC# | QC<br>LIMITS<br>REC |
|--------------------------------|---------------------------|------------------------------------|--------------------------------|-----------------|---------------------|
| Dichlorodifluoromethane        | 62                        | 0                                  | 47                             | 76              | (42-151)            |
| Chloromethane                  | 62                        | 0                                  | 47                             | 76              | (43-150)            |
| Vinyl Chloride                 | 62                        | 0                                  | 54                             | 87              | (48-144)            |
| Bromomethane                   | 62                        | 0                                  | 52                             | 84              | (40-154)            |
| Chloroethane                   | 62                        | 0                                  | 65                             | 105             | (39-165)            |
| Trichlorofluoromethane         | 62                        | 0                                  | 58                             | 94              | (46-159)            |
| 1,1,2-Trichlorotrifluoroethane | 62                        | 0                                  | 57                             | 92              | (59-140)            |
| 1,1-Dichloroethene             | 62                        | 0                                  | 58                             | 94              | (54-143)            |
| Acetone                        | 309                       | 20                                 | 190                            | 55              | (31-158)            |
| Carbon Disulfide               | 62                        | 0                                  | 54                             | 87              | (42-144)            |
| Methyl tert-butyl Ether        | 62                        | 0                                  | 49                             | 79              | (56-146)            |
| Methyl Acetate                 | 62                        | 0                                  | 65                             | 105             | (16-205)            |
| Methylene Chloride             | 62                        | 0                                  | 52                             | 84              | (51-144)            |
| trans-1,2-Dichloroethene       | 62                        | 0                                  | 58                             | 94              | (60-135)            |
| 1,1-Dichloroethane             | 62                        | 0                                  | 56                             | 90              | (62-143)            |
| Cyclohexane                    | 62                        | 0                                  | 45                             | 73              | (51-136)            |
| 2-Butanone                     | 309                       | 0                                  | 200                            | 65              | (40-157)            |
| Carbon Tetrachloride           | 62                        | 0                                  | 61                             | 98              | (63-135)            |
| cis-1,2-Dichloroethene         | 62                        | 18                                 | 57                             | 63              | (62-133)            |
| Chloroform                     | 62                        | 0                                  | 58                             | 94              | (66-138)            |
| 1,1,1-Trichloroethane          | 62                        | 4.8                                | 63                             | 94              | (64-139)            |
| Methylcyclohexane              | 62                        | 0                                  | 34                             | 55              | (43-133)            |
| Benzene                        | 62                        | 0                                  | 56                             | 90              | (68-128)            |
| 1,2-Dichloroethane             | 62                        | 0                                  | 53                             | 85              | (64-139)            |
| Trichloroethene                | 62                        | 65                                 | 83                             | 29*             | (49-150)            |
| 1,2-Dichloropropane            | 62                        | 0                                  | 54                             | 87              | (68-131)            |
| Bromodichloromethane           | 62                        | 0                                  | 55                             | 89              | (69-132)            |
| 4-Methyl-2-Pentanone           | 309                       | 0                                  | 200                            | 65              | (53-150)            |
| Toluene                        | 62                        | 0                                  | 53                             | 85              | (67-127)            |
| t-1,3-Dichloropropene          | 62                        | 0                                  | 50                             | 81              | (63-129)            |
| cis-1,3-Dichloropropene        | 62                        | 0                                  | 52                             | 84              | (66-126)            |
| 1,1,2-Trichloroethane          | 62                        | 0                                  | 48                             | 77              | (67-132)            |
| 2-Hexanone                     | 309                       | 0                                  | 190                            | 61              | (44-170)            |

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 11 Out of 82 outside limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**
**Lab Name:** CHEMTECH **Contract:** EART05
**Lab Code:** CHEM **Cas No:** B1758 **SAS No :** B1758 **SDG No:** B1758
**Matrix Spike - EPA Sample No :** B1758-02

| COMPOUND                    | SPIKE<br>ADDED<br>(ug/Kg) | SAMPLE<br>CONCENTRATION<br>(ug/Kg) | MS<br>CONCENTRATION<br>(ug/Kg) | MS<br>%<br>REC# | QC<br>LIMITS<br>REC |
|-----------------------------|---------------------------|------------------------------------|--------------------------------|-----------------|---------------------|
| Dibromochloromethane        | 62                        | 0                                  | 51                             | 82              | (65-131)            |
| 1,2-Dibromoethane           | 62                        | 0                                  | 46                             | 74              | (63-129)            |
| Tetrachloroethene           | 62                        | 1200                               | 1200                           | 0*              | (33-170)            |
| Chlorobenzene               | 62                        | 0                                  | 51                             | 82              | (71-126)            |
| Ethyl Benzene               | 62                        | 0                                  | 52                             | 84              | (65-134)            |
| m/p-Xylenes                 | 123                       | 0                                  | 100                            | 81              | (65-131)            |
| o-Xylene                    | 62                        | 0                                  | 52                             | 84              | (62-134)            |
| Styrene                     | 62                        | 0                                  | 48                             | 77              | (60-131)            |
| Bromoform                   | 62                        | 0                                  | 47                             | 76              | (62-140)            |
| Isopropylbenzene            | 62                        | 0                                  | 60                             | 97              | (51-159)            |
| 1,1,2,2-Tetrachloroethane   | 62                        | 0                                  | 54                             | 87              | (33-184)            |
| 1,3-Dichlorobenzene         | 62                        | 0                                  | 47                             | 76              | (70-125)            |
| 1,4-Dichlorobenzene         | 62                        | 0                                  | 48                             | 77              | (69-124)            |
| 1,2-Dichlorobenzene         | 62                        | 0                                  | 42                             | 68              | (67-128)            |
| 1,2-Dibromo-3-Chloropropane | 62                        | 0                                  | 41                             | 66              | (44-163)            |
| 1,2,4-Trichlorobenzene      | 62                        | 0                                  | 22                             | 35*             | (53-137)            |

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 11 Out of 82 outside limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**
**Lab Name:** CHEMTECH **Contract:** EART05
**Lab Code:** CHEM **Cas No:** B1758 **SAS No :** B1758 **SDG No:** B1758
**Matrix Spike - EPA Sample No :** B1758-03

| COMPOUND                       | SPIKE<br>ADDED<br>(ug/Kg) | MSD<br>CONCENTRATION<br>(ug/Kg) | MSD<br>% %<br>(ug/Kg) |     | QC LIMITS |          |
|--------------------------------|---------------------------|---------------------------------|-----------------------|-----|-----------|----------|
|                                |                           |                                 |                       |     | RPD       | REC      |
| Dichlorodifluoromethane        | 62                        | 49                              | 79                    | 4   | 20        | (42-151) |
| Chloromethane                  | 62                        | 52                              | 84                    | 10  | 20        | (43-150) |
| Vinyl Chloride                 | 62                        | 57                              | 92                    | 6   | 20        | (48-144) |
| Bromomethane                   | 62                        | 53                              | 85                    | 1   | 20        | (40-154) |
| Chloroethane                   | 62                        | 68                              | 110                   | 5   | 20        | (39-165) |
| Trichlorofluoromethane         | 62                        | 61                              | 98                    | 4   | 20        | (46-159) |
| 1,1,2-Trichlorotrifluoroethane | 62                        | 62                              | 100                   | 8   | 20        | (59-140) |
| 1,1-Dichloroethene             | 62                        | 62                              | 100                   | 6   | 20        | (54-143) |
| Acetone                        | 309                       | 230                             | 68                    | 21* | 20        | (31-158) |
| Carbon Disulfide               | 62                        | 56                              | 90                    | 3   | 20        | (42-144) |
| Methyl tert-butyl Ether        | 62                        | 55                              | 89                    | 12  | 20        | (56-146) |
| Methyl Acetate                 | 62                        | 98                              | 158                   | 40* | 20        | (16-205) |
| Methylene Chloride             | 62                        | 54                              | 87                    | 4   | 20        | (51-144) |
| trans-1,2-Dichloroethene       | 62                        | 60                              | 97                    | 3   | 20        | (60-135) |
| 1,1-Dichloroethane             | 62                        | 59                              | 95                    | 5   | 20        | (62-143) |
| Cyclohexane                    | 62                        | 50                              | 81                    | 10  | 20        | (51-136) |
| 2-Butanone                     | 309                       | 240                             | 78                    | 18  | 20        | (40-157) |
| Carbon Tetrachloride           | 62                        | 62                              | 100                   | 2   | 20        | (63-135) |
| cis-1,2-Dichloroethene         | 62                        | 59                              | 66                    | 5   | 20        | (62-133) |
| Chloroform                     | 62                        | 60                              | 97                    | 3   | 20        | (66-138) |
| 1,1,1-Trichloroethane          | 62                        | 64                              | 95                    | 1   | 20        | (64-139) |
| Methylcyclohexane              | 62                        | 39                              | 63                    | 14  | 20        | (43-133) |
| Benzene                        | 62                        | 57                              | 92                    | 2   | 20        | (68-128) |
| 1,2-Dichloroethane             | 62                        | 56                              | 90                    | 6   | 20        | (64-139) |
| Trichloroethene                | 62                        | 75                              | 16*                   | 58* | 20        | (49-150) |
| 1,2-Dichloropropane            | 62                        | 58                              | 94                    | 8   | 20        | (68-131) |
| Bromodichloromethane           | 62                        | 55                              | 89                    | 0   | 20        | (69-132) |
| 4-Methyl-2-Pentanone           | 309                       | 230                             | 74                    | 13  | 20        | (53-150) |
| Toluene                        | 62                        | 54                              | 87                    | 2   | 20        | (67-127) |
| t-1,3-Dichloropropene          | 62                        | 52                              | 84                    | 4   | 20        | (63-129) |
| cis-1,3-Dichloropropene        | 62                        | 53                              | 85                    | 1   | 20        | (66-126) |
| 1,1,2-Trichloroethane          | 62                        | 52                              | 84                    | 9   | 20        | (67-132) |
| 2-Hexanone                     | 309                       | 230                             | 74                    | 19  | 20        | (44-170) |

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD : 7 Out of 82 outside limits

Spike Recovery : 17 Out of 164 outside limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**
**Lab Name:** CHEMTECH **Contract:** EART05
**Lab Code:** CHEM **Cas No:** B1758 **SAS No :** B1758 **SDG No:** B1758
**Matrix Spike - EPA Sample No :** B1758-03

| COMPOUND                    | SPIKE<br>ADDED<br>(ug/Kg) | MSD<br>CONCENTRATION<br>(ug/Kg) | MSD<br>%    %<br>(ug/Kg) |      | QC LIMITS |          |
|-----------------------------|---------------------------|---------------------------------|--------------------------|------|-----------|----------|
|                             |                           |                                 |                          |      | RPD       | REC      |
| Dibromochloromethane        | 62                        | 52                              | 84                       | 2    | 20        | (65-131) |
| 1,2-Dibromoethane           | 62                        | 49                              | 79                       | 7    | 20        | (63-129) |
| Tetrachloroethene           | 62                        | 980                             | -355*                    | 200* | 20        | (33-170) |
| Chlorobenzene               | 62                        | 52                              | 84                       | 2    | 20        | (71-126) |
| Ethyl Benzene               | 62                        | 52                              | 84                       | 0    | 20        | (65-134) |
| m/p-Xylenes                 | 123                       | 110                             | 89                       | 9    | 20        | (65-131) |
| o-Xylene                    | 62                        | 54                              | 87                       | 4    | 20        | (62-134) |
| Styrene                     | 62                        | 48                              | 77                       | 0    | 20        | (60-131) |
| Bromoform                   | 62                        | 49                              | 79                       | 4    | 20        | (62-140) |
| Isopropylbenzene            | 62                        | 63                              | 102                      | 5    | 20        | (51-159) |
| 1,1,2,2-Tetrachloroethane   | 62                        | 56                              | 90                       | 3    | 20        | (33-184) |
| 1,3-Dichlorobenzene         | 62                        | 49                              | 79                       | 4    | 20        | (70-125) |
| 1,4-Dichlorobenzene         | 62                        | 49                              | 79                       | 3    | 20        | (69-124) |
| 1,2-Dichlorobenzene         | 62                        | 44                              | 71                       | 4    | 20        | (67-128) |
| 1,2-Dibromo-3-Chloropropane | 62                        | 43                              | 69                       | 4    | 20        | (44-163) |
| 1,2,4-Trichlorobenzene      | 62                        | 25                              | 40*                      | 13   | 20        | (53-137) |

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD : 7 Out of 82 outside limits

Spike Recovery : 17 Out of 164 outside limits



## SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: EART05

Lab Code: CHEM Cas No: B1758 SAS No : B1758 SDG No: B1758

Matrix Spike - EPA Sample No : BSE0405M1

| COMPOUND                       | SPIKE<br>ADDED<br>(ug/Kg) | CONCENTRATION<br>(ug/Kg) | LCS<br>CONCENTRATION<br>(ug/Kg) | LCS<br>%<br>REC# | QC<br>LIMITS<br>REC |
|--------------------------------|---------------------------|--------------------------|---------------------------------|------------------|---------------------|
| Dichlorodifluoromethane        | 2000                      |                          | 1600                            | 80               | (47-148)            |
| Chloromethane                  | 2000                      |                          | 1700                            | 85               | (56-145)            |
| Vinyl Chloride                 | 2000                      |                          | 1600                            | 80               | (60-138)            |
| Bromomethane                   | 2000                      |                          | 1900                            | 95               | (45-158)            |
| Chloroethane                   | 2000                      |                          | 1600                            | 80               | (42-161)            |
| Trichlorofluoromethane         | 2000                      |                          | 2000                            | 100              | (55-146)            |
| 1,1,2-Trichlorotrifluoroethane | 2000                      |                          | 1800                            | 90               | (65-134)            |
| 1,1-Dichloroethene             | 2000                      |                          | 1800                            | 90               | (65-136)            |
| Acetone                        | 10000                     |                          | 11000                           | 110              | (57-148)            |
| Carbon Disulfide               | 2000                      |                          | 1700                            | 85               | (60-138)            |
| Methyl tert-butyl Ether        | 2000                      |                          | 2000                            | 100              | (70-131)            |
| Methyl Acetate                 | 2000                      |                          | 1900                            | 95               | (44-187)            |
| Methylene Chloride             | 2000                      |                          | 1800                            | 90               | (63-141)            |
| trans-1,2-Dichloroethene       | 2000                      |                          | 1800                            | 90               | (73-130)            |
| 1,1-Dichloroethane             | 2000                      |                          | 2000                            | 100              | (74-133)            |
| Cyclohexane                    | 2000                      |                          | 2000                            | 100              | (66-132)            |
| 2-Butanone                     | 10000                     |                          | 10000                           | 100              | (52-153)            |
| Carbon Tetrachloride           | 2000                      |                          | 2100                            | 105              | (74-122)            |
| cis-1,2-Dichloroethene         | 2000                      |                          | 2000                            | 100              | (75-129)            |
| Chloroform                     | 2000                      |                          | 2100                            | 105              | (75-135)            |
| 1,1,1-Trichloroethane          | 2000                      |                          | 2200                            | 110              | (75-128)            |
| Methylcyclohexane              | 2000                      |                          | 2000                            | 100              | (71-124)            |
| Benzene                        | 2000                      |                          | 2000                            | 100              | (79-122)            |
| 1,2-Dichloroethane             | 2000                      |                          | 2100                            | 105              | (75-132)            |
| Trichloroethene                | 2000                      |                          | 2000                            | 100              | (77-120)            |
| 1,2-Dichloropropane            | 2000                      |                          | 1900                            | 95               | (76-127)            |
| Bromodichloromethane           | 2000                      |                          | 2100                            | 105              | (77-124)            |
| 4-Methyl-2-Pentanone           | 10000                     |                          | 10000                           | 100              | (70-141)            |
| Toluene                        | 2000                      |                          | 2100                            | 105              | (78-121)            |
| t-1,3-Dichloropropene          | 2000                      |                          | 2100                            | 105              | (76-127)            |
| cis-1,3-Dichloropropene        | 2000                      |                          | 2000                            | 100              | (79-122)            |
| 1,1,2-Trichloroethane          | 2000                      |                          | 2100                            | 105              | (76-127)            |
| 2-Hexanone                     | 10000                     |                          | 10000                           | 100              | (55-154)            |
| Dibromochloromethane           | 2000                      |                          | 2100                            | 105              | (73-126)            |

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 74 outside limits

Comments: \_\_\_\_\_



3A

## SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: EART05Lab Code: CHEM Cas No: B1758 SAS No : B1758 SDG No: B1758Matrix Spike - EPA Sample No : BSE0405M1

| COMPOUND                    | SPIKE<br>ADDED<br>(ug/Kg) | CONCENTRATION<br>(ug/Kg) | LCS<br>CONCENTRATION<br>(ug/Kg) | LCS<br>%<br>REC# | QC<br>LIMITS<br>REC |
|-----------------------------|---------------------------|--------------------------|---------------------------------|------------------|---------------------|
| 1,2-Dibromoethane           | 2000                      |                          | 2100                            | 105              | (76-127)            |
| Tetrachloroethene           | 2000                      |                          | 1800                            | 90               | (61-145)            |
| Chlorobenzene               | 2000                      |                          | 1900                            | 95               | (79-120)            |
| Ethyl Benzene               | 2000                      |                          | 2000                            | 100              | (77-120)            |
| m/p-Xylenes                 | 4000                      |                          | 3700                            | 93               | (78-120)            |
| o-Xylene                    | 2000                      |                          | 2100                            | 105              | (78-119)            |
| Styrene                     | 2000                      |                          | 1900                            | 95               | (80-119)            |
| Bromoform                   | 2000                      |                          | 1900                            | 95               | (71-125)            |
| Isopropylbenzene            | 2000                      |                          | 1900                            | 95               | (77-124)            |
| 1,1,2,2-Tetrachloroethane   | 2000                      |                          | 1900                            | 95               | (77-130)            |
| 1,3-Dichlorobenzene         | 2000                      |                          | 1900                            | 95               | (82-121)            |
| 1,4-Dichlorobenzene         | 2000                      |                          | 1900                            | 95               | (82-118)            |
| 1,2-Dichlorobenzene         | 2000                      |                          | 2000                            | 100              | (81-122)            |
| 1,2-Dibromo-3-Chloropropane | 2000                      |                          | 1900                            | 95               | (66-132)            |
| 1,2,4-Trichlorobenzene      | 2000                      |                          | 1800                            | 90               | (71-124)            |

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 74 outside limits

Comments: \_\_\_\_\_  
\_\_\_\_\_

## SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: EART05

Lab Code: CHEM Cas No: B1758 SAS No : B1758 SDG No: B1758

Matrix Spike - EPA Sample No : BSK0405S1

| COMPOUND                       | SPIKE<br>ADDED<br>(ug/Kg) | CONCENTRATION<br>(ug/Kg) | LCS<br>CONCENTRATION<br>(ug/Kg) | LCS<br>%<br>REC# | QC<br>LIMITS<br>REC |
|--------------------------------|---------------------------|--------------------------|---------------------------------|------------------|---------------------|
| Dichlorodifluoromethane        | 20                        |                          | 24                              | 120              | (47-135)            |
| Chloromethane                  | 20                        |                          | 22                              | 110              | (56-130)            |
| Vinyl Chloride                 | 20                        |                          | 21                              | 105              | (60-125)            |
| Bromomethane                   | 20                        |                          | 21                              | 105              | (45-158)            |
| Chloroethane                   | 20                        |                          | 22                              | 110              | (42-155)            |
| Trichlorofluoromethane         | 20                        |                          | 22                              | 110              | (55-146)            |
| 1,1,2-Trichlorotrifluoroethane | 20                        |                          | 23                              | 115              | (65-134)            |
| 1,1-Dichloroethene             | 20                        |                          | 23                              | 115              | (65-135)            |
| Acetone                        | 100                       |                          | 97                              | 97               | (57-148)            |
| Carbon Disulfide               | 20                        |                          | 22                              | 110              | (60-138)            |
| Methyl tert-butyl Ether        | 20                        |                          | 20                              | 100              | (70-131)            |
| Methyl Acetate                 | 20                        |                          | 21                              | 105              | (44-187)            |
| Methylene Chloride             | 20                        |                          | 21                              | 105              | (63-140)            |
| trans-1,2-Dichloroethene       | 20                        |                          | 22                              | 110              | (73-130)            |
| 1,1-Dichloroethane             | 20                        |                          | 21                              | 105              | (75-125)            |
| Cyclohexane                    | 20                        |                          | 21                              | 105              | (66-132)            |
| 2-Butanone                     | 100                       |                          | 100                             | 100              | (52-153)            |
| Carbon Tetrachloride           | 20                        |                          | 21                              | 105              | (74-122)            |
| cis-1,2-Dichloroethene         | 20                        |                          | 19                              | 95               | (75-125)            |
| Chloroform                     | 20                        |                          | 20                              | 100              | (75-125)            |
| 1,1,1-Trichloroethane          | 20                        |                          | 21                              | 105              | (75-128)            |
| Methylcyclohexane              | 20                        |                          | 20                              | 100              | (71-124)            |
| Benzene                        | 20                        |                          | 19                              | 95               | (79-122)            |
| 1,2-Dichloroethane             | 20                        |                          | 19                              | 95               | (75-132)            |
| Trichloroethene                | 20                        |                          | 19                              | 95               | (77-120)            |
| 1,2-Dichloropropane            | 20                        |                          | 19                              | 95               | (76-120)            |
| Bromodichloromethane           | 20                        |                          | 19                              | 95               | (77-124)            |
| 4-Methyl-2-Pentanone           | 100                       |                          | 98                              | 98               | (70-141)            |
| Toluene                        | 20                        |                          | 20                              | 100              | (78-121)            |
| t-1,3-Dichloropropene          | 20                        |                          | 19                              | 95               | (76-125)            |
| cis-1,3-Dichloropropene        | 20                        |                          | 19                              | 95               | (79-122)            |
| 1,1,2-Trichloroethane          | 20                        |                          | 19                              | 95               | (76-125)            |
| 2-Hexanone                     | 100                       |                          | 93                              | 93               | (55-145)            |
| Dibromochloromethane           | 20                        |                          | 19                              | 95               | (73-126)            |

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: \_\_\_\_\_



3A

## SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: EART05Lab Code: CHEM Cas No: B1758 SAS No : B1758 SDG No: B1758Matrix Spike - EPA Sample No : BSK0405S1

| COMPOUND                    | SPIKE<br>ADDED<br>(ug/Kg) | CONCENTRATION<br>(ug/Kg) | LCS<br>CONCENTRATION<br>(ug/Kg) | LCS<br>%<br>REC# | QC<br>LIMITS<br>REC |
|-----------------------------|---------------------------|--------------------------|---------------------------------|------------------|---------------------|
| 1,2-Dibromoethane           | 20                        |                          | 19                              | 95               | (76-125)            |
| Tetrachloroethene           | 20                        |                          | 17                              | 85               | (65-140)            |
| Chlorobenzene               | 20                        |                          | 19                              | 95               | (79-120)            |
| Ethyl Benzene               | 20                        |                          | 19                              | 95               | (77-120)            |
| m/p-Xylenes                 | 40                        |                          | 40                              | 100              | (80-120)            |
| o-Xylene                    | 20                        |                          | 19                              | 95               | (78-119)            |
| Styrene                     | 20                        |                          | 19                              | 95               | (80-119)            |
| Bromoform                   | 20                        |                          | 20                              | 100              | (71-125)            |
| Isopropylbenzene            | 20                        |                          | 19                              | 95               | (77-124)            |
| 1,1,2,2-Tetrachloroethane   | 20                        |                          | 19                              | 95               | (77-130)            |
| 1,3-Dichlorobenzene         | 20                        |                          | 19                              | 95               | (82-121)            |
| 1,4-Dichlorobenzene         | 20                        |                          | 19                              | 95               | (82-118)            |
| 1,2-Dichlorobenzene         | 20                        |                          | 19                              | 95               | (81-120)            |
| 1,2-Dibromo-3-Chloropropane | 20                        |                          | 19                              | 95               | (66-132)            |
| 1,2,4-Trichlorobenzene      | 20                        |                          | 20                              | 100              | (71-124)            |

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: \_\_\_\_\_  
\_\_\_\_\_



4A

## VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBE0405M1

Lab Name: CHEMTECHContract: EART05Lab Code: CHEM Case No.: B1758SAS No.: B1758 SDG NO.: B1758Lab File ID: VE017613.DLab Sample ID: VBE0405M1Date Analyzed: 04/05/2010Time Analyzed: 13:46GC Column: ZB-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAE

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| BSE0405M1         | BSE0405M1        | VE017615.D     | 04/05/2010       |
| SG-1-0510DL       | B1758-01DL       | VE017623.D     | 04/05/2010       |
| SS-2DL            | B1758-05DL       | VE017624.D     | 04/05/2010       |
| SG-51-0510DL      | B1758-04DL       | VE017625.D     | 04/05/2010       |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_



4A

## VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK0405S1

Lab Name: CHEMTECHContract: EART05Lab Code: CHEM Case No.: B1758SAS No.: B1758 SDG NO.: B1758Lab File ID: VK038297.DLab Sample ID: VBK0405S1Date Analyzed: 04/05/2010Time Analyzed: 11:47GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOAK

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| BSK0405S1         | BSK0405S1        | VK038298.D     | 04/05/2010       |
| SS-2              | B1758-05         | VK038302.D     | 04/05/2010       |
| SG-1-0510         | B1758-01         | VK038303.D     | 04/05/2010       |
| SG-51-0510        | B1758-04         | VK038304.D     | 04/05/2010       |
| SG-1-0510MS       | B1758-02MS       | VK038309.D     | 04/05/2010       |
| SG-1-0510MSD      | B1758-03MSD      | VK038310.D     | 04/05/2010       |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_



## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBE0405M1

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: VBE0405M1Sample wt/vol: 5 (g/mL) g Lab File ID: VE017613.DLevel: (low/med) MED Date Received: \_\_\_\_\_% Moisture: not dec. 0 Date Analyzed: 04/05/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                                |      |   |
|-----------|--------------------------------|------|---|
| 75-71-8   | Dichlorodifluoromethane        | 500  | U |
| 74-87-3   | Chloromethane                  | 500  | U |
| 75-01-4   | Vinyl Chloride                 | 500  | U |
| 74-83-9   | Bromomethane                   | 500  | U |
| 75-00-3   | Chloroethane                   | 500  | U |
| 75-69-4   | Trichlorofluoromethane         | 500  | U |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 500  | U |
| 75-35-4   | 1,1-Dichloroethene             | 500  | U |
| 67-64-1   | Acetone                        | 2500 | U |
| 75-15-0   | Carbon Disulfide               | 500  | U |
| 1634-04-4 | Methyl tert-butyl Ether        | 500  | U |
| 79-20-9   | Methyl Acetate                 | 500  | U |
| 75-09-2   | Methylene Chloride             | 500  | U |
| 156-60-5  | trans-1,2-Dichloroethene       | 500  | U |
| 75-34-3   | 1,1-Dichloroethane             | 500  | U |
| 110-82-7  | Cyclohexane                    | 500  | U |
| 78-93-3   | 2-Butanone                     | 2500 | U |
| 56-23-5   | Carbon Tetrachloride           | 500  | U |
| 156-59-2  | cis-1,2-Dichloroethene         | 500  | U |
| 67-66-3   | Chloroform                     | 500  | U |
| 71-55-6   | 1,1,1-Trichloroethane          | 500  | U |
| 108-87-2  | Methylcyclohexane              | 500  | U |
| 71-43-2   | Benzene                        | 500  | U |
| 107-06-2  | 1,2-Dichloroethane             | 500  | U |
| 79-01-6   | Trichloroethene                | 500  | U |
| 78-87-5   | 1,2-Dichloropropane            | 500  | U |
| 75-27-4   | Bromodichloromethane           | 500  | U |
| 108-10-1  | 4-Methyl-2-Pentanone           | 2500 | U |
| 108-88-3  | Toluene                        | 500  | U |



1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBE0405M1

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: VBE0405M1Sample wt/vol: 5 (g/mL) g Lab File ID: VE017613.DLevel: (low/med) MED Date Received: % Moisture: not dec. 0 Date Analyzed: 04/05/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |      |   |
|-------------|-----------------------------|------|---|
| 10061-02-6  | t-1,3-Dichloropropene       | 500  | U |
| 10061-01-5  | cis-1,3-Dichloropropene     | 500  | U |
| 79-00-5     | 1,1,2-Trichloroethane       | 500  | U |
| 591-78-6    | 2-Hexanone                  | 2500 | U |
| 124-48-1    | Dibromochloromethane        | 500  | U |
| 106-93-4    | 1,2-Dibromoethane           | 500  | U |
| 127-18-4    | Tetrachloroethene           | 500  | U |
| 108-90-7    | Chlorobenzene               | 500  | U |
| 100-41-4    | Ethyl Benzene               | 500  | U |
| 179601-23-1 | m/p-Xylenes                 | 1000 | U |
| 95-47-6     | o-Xylene                    | 500  | U |
| 100-42-5    | Styrene                     | 500  | U |
| 75-25-2     | Bromoform                   | 500  | U |
| 98-82-8     | Isopropylbenzene            | 500  | U |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 500  | U |
| 541-73-1    | 1,3-Dichlorobenzene         | 500  | U |
| 106-46-7    | 1,4-Dichlorobenzene         | 500  | U |
| 95-50-1     | 1,2-Dichlorobenzene         | 500  | U |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 500  | U |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 500  | U |



## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0405S1

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: VBK0405S1

Sample wt/vol: 5 (g/mL) g Lab File ID: VK038297.D

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. 0 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                                |    |   |
|-----------|--------------------------------|----|---|
| 75-71-8   | Dichlorodifluoromethane        | 5  | U |
| 74-87-3   | Chloromethane                  | 5  | U |
| 75-01-4   | Vinyl Chloride                 | 5  | U |
| 74-83-9   | Bromomethane                   | 5  | U |
| 75-00-3   | Chloroethane                   | 5  | U |
| 75-69-4   | Trichlorofluoromethane         | 5  | U |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 5  | U |
| 75-35-4   | 1,1-Dichloroethene             | 5  | U |
| 67-64-1   | Acetone                        | 25 | U |
| 75-15-0   | Carbon Disulfide               | 5  | U |
| 1634-04-4 | Methyl tert-butyl Ether        | 5  | U |
| 79-20-9   | Methyl Acetate                 | 5  | U |
| 75-09-2   | Methylene Chloride             | 5  | U |
| 156-60-5  | trans-1,2-Dichloroethene       | 5  | U |
| 75-34-3   | 1,1-Dichloroethane             | 5  | U |
| 110-82-7  | Cyclohexane                    | 5  | U |
| 78-93-3   | 2-Butanone                     | 25 | U |
| 56-23-5   | Carbon Tetrachloride           | 5  | U |
| 156-59-2  | cis-1,2-Dichloroethene         | 5  | U |
| 67-66-3   | Chloroform                     | 5  | U |
| 71-55-6   | 1,1,1-Trichloroethane          | 5  | U |
| 108-87-2  | Methylcyclohexane              | 5  | U |
| 71-43-2   | Benzene                        | 5  | U |
| 107-06-2  | 1,2-Dichloroethane             | 5  | U |
| 79-01-6   | Trichloroethene                | 5  | U |
| 78-87-5   | 1,2-Dichloropropane            | 5  | U |
| 75-27-4   | Bromodichloromethane           | 5  | U |
| 108-10-1  | 4-Methyl-2-Pentanone           | 25 | U |
| 108-88-3  | Toluene                        | 5  | U |



1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0405S1

Lab Name: Chemtech Contract: EART05Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758Matrix (soil/water): SOIL Lab Sample ID: VBK0405S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK038297.DLevel: (low/med) LOW Date Received: \_\_\_\_\_% Moisture: not dec. 0 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |    |   |
|-------------|-----------------------------|----|---|
| 10061-02-6  | t-1,3-Dichloropropene       | 5  | U |
| 10061-01-5  | cis-1,3-Dichloropropene     | 5  | U |
| 79-00-5     | 1,1,2-Trichloroethane       | 5  | U |
| 591-78-6    | 2-Hexanone                  | 25 | U |
| 124-48-1    | Dibromochloromethane        | 5  | U |
| 106-93-4    | 1,2-Dibromoethane           | 5  | U |
| 127-18-4    | Tetrachloroethene           | 5  | U |
| 108-90-7    | Chlorobenzene               | 5  | U |
| 100-41-4    | Ethyl Benzene               | 5  | U |
| 179601-23-1 | m/p-Xylenes                 | 10 | U |
| 95-47-6     | o-Xylene                    | 5  | U |
| 100-42-5    | Styrene                     | 5  | U |
| 75-25-2     | Bromoform                   | 5  | U |
| 98-82-8     | Isopropylbenzene            | 5  | U |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 5  | U |
| 541-73-1    | 1,3-Dichlorobenzene         | 5  | U |
| 106-46-7    | 1,4-Dichlorobenzene         | 5  | U |
| 95-50-1     | 1,2-Dichlorobenzene         | 5  | U |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 5  | U |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 5  | U |



8A

## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EART05  
Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG NO.: B1758  
Lab File ID: VK038296.D Date Analyzed: 04/05/2010  
Instrument ID: MSVOAK Time Analyzed: 11:03  
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

|                | IS1<br>AREA # | RT # | IS2<br>AREA # | RT # | IS3<br>AREA # | RT # |
|----------------|---------------|------|---------------|------|---------------|------|
| 12 HOUR STD    | 244495        | 3.18 | 390295        | 3.57 | 526784        | 6.26 |
| UPPER LIMIT    | 488990        | 3.68 | 780590        | 4.07 | 1053568       | 6.76 |
| LOWER LIMIT    | 122247.5      | 2.68 | 195147.5      | 3.07 | 263392        | 5.76 |
| EPA SAMPLE NO. |               |      |               |      |               |      |
| SG-1-0510      | 218449        | 3.18 | 325987        | 3.57 | 419483        | 6.26 |
| SG-1-0510MS    | 217431        | 3.19 | 320680        | 3.57 | 396588        | 6.26 |
| SG-1-0510MSD   | 187592        | 3.19 | 283230        | 3.57 | 363522        | 6.26 |
| SG-51-0510     | 221183        | 3.18 | 328550        | 3.57 | 397619        | 6.26 |
| SS-2           | 221181        | 3.19 | 344909        | 3.56 | 446429        | 6.26 |
| BSK0405S1      | 218766        | 3.18 | 346283        | 3.57 | 461084        | 6.26 |
| VBK0405S1      | 230964        | 3.18 | 368529        | 3.57 | 497463        | 6.26 |

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.



8A

## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EART05  
Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG NO.: B1758  
Lab File ID: VK038296.D Date Analyzed: 04/05/2010  
Instrument ID: MSVOAK Time Analyzed: 11:03  
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

|                | IS4<br>AREA # | RT # |  |  |  |  |
|----------------|---------------|------|--|--|--|--|
| 12 HOUR STD    | 306063        | 8.59 |  |  |  |  |
| UPPER LIMIT    | 612126        | 9.09 |  |  |  |  |
| LOWER LIMIT    | 153031.5      | 8.09 |  |  |  |  |
| EPA SAMPLE NO. |               |      |  |  |  |  |
| SG-1-0510      | 243537        | 8.59 |  |  |  |  |
| SG-1-0510MS    | 182075        | 8.59 |  |  |  |  |
| SG-1-0510MSD   | 173369        | 8.59 |  |  |  |  |
| SG-51-0510     | 163739        | 8.59 |  |  |  |  |
| SS-2           | 242023        | 8.59 |  |  |  |  |
| BSK0405S1      | 279645        | 8.58 |  |  |  |  |
| VBK0405S1      | 288673        | 8.59 |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.



8A

## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EART05  
Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG NO.: B1758  
Lab File ID: VE017612.D Date Analyzed: 04/05/2010  
Instrument ID: MSVOAE Time Analyzed: 12:59  
GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                | IS1<br>AREA # | RT # | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #  |
|----------------|---------------|------|---------------|-------|---------------|-------|
| 12 HOUR STD    | 1849781       | 9.38 | 2573007       | 10.48 | 2655441       | 14.87 |
| UPPER LIMIT    | 3699562       | 9.88 | 5146014       | 10.98 | 5310882       | 15.37 |
| LOWER LIMIT    | 924890.5      | 8.88 | 1286504       | 9.98  | 1327721       | 14.37 |
| EPA SAMPLE NO. |               |      |               |       |               |       |
| SG-1-0510DL    | 2092369       | 9.40 | 2808113       | 10.50 | 2832747       | 14.90 |
| SG-51-0510DL   | 1995389       | 9.41 | 2709465       | 10.51 | 2692662       | 14.91 |
| SS-2DL         | 2028555       | 9.42 | 2731066       | 10.52 | 2778665       | 14.92 |
| BSE0405M1      | 1685137       | 9.41 | 2383353       | 10.50 | 2540570       | 14.90 |
| VBE0405M1      | 1942471       | 9.39 | 2742773       | 10.49 | 2725375       | 14.88 |

IS1 = Pentafluorobenzene  
IS2 = 1,4-Difluorobenzene  
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.



8A

## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EART05  
Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG NO.: B1758  
Lab File ID: VE017612.D Date Analyzed: 04/05/2010  
Instrument ID: MSVOAE Time Analyzed: 12:59  
GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                | IS4<br>AREA # | RT #  |  |  |  |  |
|----------------|---------------|-------|--|--|--|--|
| 12 HOUR STD    | 1700573       | 18.67 |  |  |  |  |
| UPPER LIMIT    | 3401146       | 19.17 |  |  |  |  |
| LOWER LIMIT    | 850286.5      | 18.17 |  |  |  |  |
| EPA SAMPLE NO. |               |       |  |  |  |  |
| SG-1-0510DL    | 1740077       | 18.71 |  |  |  |  |
| SG-51-0510DL   | 1641870       | 18.70 |  |  |  |  |
| SS-2DL         | 1716074       | 18.72 |  |  |  |  |
| BSE0405M1      | 1609037       | 18.69 |  |  |  |  |
| VBE0405M1      | 1714706       | 18.68 |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

**DATA USABILITY SUMMARY REPORT  
HAZELTINE DEC SITE #1-52-005, GREENLAWN, NEW YORK**

Client: AECOM Technical Services, Inc., Bloomfield, New Jersey  
SDG: B1758 (May 14, 2010)  
Laboratory: ChemTech, Mountainside, New Jersey  
Site: Hazeltine DEC Site #1-52-005, Greenlawn, New York  
Date: May 16, 2010

| EDS ID | Client Sample ID | Laboratory Sample ID | Matrix |
|--------|------------------|----------------------|--------|
| 1      | SG-2-0510        | B1758-01             | Soil   |
| 1DL    | SG-2-0510DL      | B1758-01DL           | Soil   |
| 2MS    | SG-2-0510MS      | B1758-02MS           | Soil   |
| 3MSD   | SG-2-0510MSD     | B1758-03MSD          | Soil   |
| 4      | SG-52-0510       | B1758-04             | Soil   |
| 4DL    | SG-52-0510DL     | B1758-04DL           | Soil   |
| 5      | SS-2             | B1758-05             | Soil   |
| 5DL    | SS-2DL           | B1758-05DL           | Soil   |

A Data Usability Summary Review was performed on the analytical data for three soil samples collected March 31-April 1, 2010 by AECOM Technical Services, Inc. at the Hazeltine Site in Greenlawn, New York. The samples were analyzed under Environmental Protection Agency (USEPA) "Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".

Specific method references are as follows:

Analysis  
VOC

Method References  
USEPA SW-846 Method 8260B

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-24, Revision 2, October 2006: Validating Volatile Organic Compounds by SW-846 Method 8260B;
- and the reviewer's professional judgment.

### **Organics**

The following items/criteria were reviewed:

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries

- Laboratory Control Sample/Duplicate (LCS/LCSD) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Field Duplicate sample precision

### **Overall Usability Issues:**

There were no rejections of data.

Overall the data is acceptable for the intended purposes as qualified for the following deficiencies.

- Two compounds were qualified as estimated in one sample due to low MS/MSD recoveries.
- Two compounds were qualified in all samples due to high continuing calibration %D values.
- One compound was qualified in both field duplicate samples due to poor duplicate precision.

### **Data Completeness**

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

### **Holding Times**

- All samples were analyzed within 14 days for soil samples.

### **Surrogate Spike Recoveries**

- All samples exhibited acceptable surrogate %R values.

### **Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries**

- The following table presents MS/MSD percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased. For a severely low %R (<10%), non-detect results are rejected (R) and are unusable for project objectives.



| MS/MSD Sample ID | Compound               | MS/MSD%R/RPD | Qualifier              |
|------------------|------------------------|--------------|------------------------|
| SG-2-0510        | Acetone                | Ok/Ok/21     | None for RPD Alone     |
|                  | Methyl Acetate         | Ok/Ok/40     |                        |
|                  | Trichloroethene        | 29%/16%/58   | J/UJ                   |
|                  | 1,2,4-Trichlorobenzene | 35%/40%/Ok   |                        |
|                  | Tetrachloroethene      | 0%/-355%/200 | None - 4X Rule Applies |

### **Laboratory Control Samples**

- The LCS samples exhibited acceptable percent recoveries.

### **Method Blank**

- The method blanks were free of contamination.

### **Field Blank**

- Field QC samples were not analyzed.

### **GC/MS Tuning**

- All criteria were met.

### **Initial Calibration**

- The initial calibrations exhibited acceptable %RSD and mean RRF values.

### **Continuing Calibration**

- The following table presents compounds that exceeded 20 percent deviation (%D) and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

| CCAL Date | Compound                       | %D/RRF | Qualifier | Affected Samples |
|-----------|--------------------------------|--------|-----------|------------------|
| 04/05/10  | Dichlorodifluoromethane        | 28.8%  | J/UJ      | 1, 4, 5          |
|           | 1,1,2-Trichlorotrifluoroethane | 22.0%  |           |                  |

### **Compound Quantitation**

- All three samples exhibited tetrachloroethene over the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed and the dilution results for tetrachloroethene should be used for reporting purposes.

### **Internal Standard (IS) Area Performance**

- All internal standards met response and retention time (RT) criteria.

### **Field Duplicate Sample Precision**

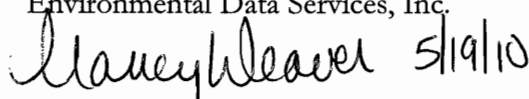
- Field duplicate results are summarized below.

| Compound                 | SG-2-0510<br>ug/kg | SG-52-0510<br>ug/kg | RPD | Qualifier |
|--------------------------|--------------------|---------------------|-----|-----------|
| Acetone                  | 20                 | 16                  | 22% | None      |
| trans-1,2-Dichloroethene | 6.2 U              | 1.3                 | NC  | None      |
| cis-1,2-Dichloroethene   | 18                 | 26                  | 36% | None      |
| 1,1,1-Trichloroethane    | 4.8                | 6.4                 | 29% | None      |
| Trichloroethene          | 65                 | 110                 | 51% | J         |
| Tetrachloroethene        | 2500               | 3700                | 39% | None      |
| m/p-Xylenes              | 12 U               | 2.6                 | NC  | None      |
| o-Xylene                 | 6.2 U              | 1.5                 | NC  | None      |

### **Package Summary**

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Very truly yours,  
Environmental Data Services, Inc.

 5/19/10

Nancy Weaver                      Date  
Senior Chemist

## **Data Qualifiers**

- J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.
- U = The analyte was analyzed for, but was not detected above the sample reporting limit.
- R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.



1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-2-0510

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-01

Sample wt/vol: 4.98 (g/mL) g Lab File ID: VK038303.D

Level: (low/med) LOW Date Received: 04/01/10

% Moisture: not dec. 19 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                                |     |   |    |
|-----------|--------------------------------|-----|---|----|
| 75-71-8   | Dichlorodifluoromethane        | 6.2 | U | uJ |
| 74-87-3   | Chloromethane                  | 6.2 | U |    |
| 75-01-4   | Vinyl Chloride                 | 6.2 | U |    |
| 74-83-9   | Bromomethane                   | 6.2 | U |    |
| 75-00-3   | Chloroethane                   | 6.2 | U | uJ |
| 75-69-4   | Trichlorofluoromethane         | 6.2 | U |    |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 6.2 | U |    |
| 75-35-4   | 1,1-Dichloroethene             | 6.2 | U |    |
| 67-64-1   | Acetone                        | 20  | J | J  |
| 75-15-0   | Carbon Disulfide               | 6.2 | U |    |
| 1634-04-4 | Methyl tert-butyl Ether        | 6.2 | U |    |
| 79-20-9   | Methyl Acetate                 | 6.2 | U |    |
| 75-09-2   | Methylene Chloride             | 6.2 | U | J  |
| 156-60-5  | trans-1,2-Dichloroethene       | 6.2 | U |    |
| 75-34-3   | 1,1-Dichloroethane             | 6.2 | U |    |
| 110-82-7  | Cyclohexane                    | 6.2 | U |    |
| 78-93-3   | 2-Butanone                     | 31  | U | J  |
| 56-23-5   | Carbon Tetrachloride           | 6.2 | U |    |
| 156-59-2  | cis-1,2-Dichloroethene         | 18  |   |    |
| 67-66-3   | Chloroform                     | 6.2 | U |    |
| 71-55-6   | 1,1,1-Trichloroethane          | 4.8 | J | J  |
| 108-87-2  | Methylcyclohexane              | 6.2 | U |    |
| 71-43-2   | Benzene                        | 6.2 | U |    |
| 107-06-2  | 1,2-Dichloroethane             | 6.2 | U |    |
| 79-01-6   | Trichloroethene                | 65  |   | J  |
| 78-87-5   | 1,2-Dichloropropane            | 6.2 | U |    |
| 75-27-4   | Bromodichloromethane           | 6.2 | U |    |

uJ  
5/18/10

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-2-0510

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-01

Sample wt/vol: 4.98 (g/mL) g Lab File ID: VK038303.D

Level: (low/med) LOW Date Received: 04/01/10

% Moisture: not dec. 19 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |                      |              |
|-------------|-----------------------------|----------------------|--------------|
| 108-10-1    | 4-Methyl-2-Pentanone        | 31                   | U            |
| 108-88-3    | Toluene                     | 6.2                  | U            |
| 10061-02-6  | t-1,3-Dichloropropene       | 6.2                  | U            |
| 10061-01-5  | cis-1,3-Dichloropropene     | 6.2                  | U            |
| 79-00-5     | 1,1,2-Trichloroethane       | 6.2                  | U            |
| 591-78-6    | 2-Hexanone                  | 31                   | U            |
| 124-48-1    | Dibromochloromethane        | 6.2                  | U            |
| 106-93-4    | 1,2-Dibromoethane           | 6.2                  | U            |
| 127-18-4    | Tetrachloroethene           | <del>1200</del> 2500 | <del>U</del> |
| 108-90-7    | Chlorobenzene               | 6.2                  | U            |
| 100-41-4    | Ethyl Benzene               | 6.2                  | U            |
| 179601-23-1 | m/p-Xylenes                 | 12                   | U            |
| 95-47-6     | o-Xylene                    | 6.2                  | U            |
| 100-42-5    | Styrene                     | 6.2                  | U            |
| 75-25-2     | Bromoform                   | 6.2                  | U            |
| 98-82-8     | Isopropylbenzene            | 6.2                  | U            |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 6.2                  | U            |
| 541-73-1    | 1,3-Dichlorobenzene         | 6.2                  | U            |
| 106-46-7    | 1,4-Dichlorobenzene         | 6.2                  | U            |
| 95-50-1     | 1,2-Dichlorobenzene         | 6.2                  | U            |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 6.2                  | U            |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 6.2                  | <del>U</del> |

uJ

NW  
5/18/10

## VOLATILE ORGANICS ANALYSIS DATA SHEET

1 DL

EPA SAMPLE NO.

SG-2-0510DL

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-01DL

Sample wt/vol: 5.02 (g/mL) g Lab File ID: VE017623.D

Level: (low/med) MED Date Received: 04/01/10

% Moisture: not dec. 19 Date Analyzed: 04/05/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

Use original results

| CAS NO.   | COMPOUND                       | (ug/L or ug/Kg) | ug/Kg | Q |
|-----------|--------------------------------|-----------------|-------|---|
| 75-71-8   | Dichlorodifluoromethane        | 610             |       | U |
| 74-87-3   | Chloromethane                  | 610             |       | U |
| 75-01-4   | Vinyl Chloride                 | 610             |       | U |
| 74-83-9   | Bromomethane                   | 610             |       | U |
| 75-00-3   | Chloroethane                   | 610             |       | U |
| 75-69-4   | Trichlorofluoromethane         | 610             |       | U |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 610             |       | U |
| 75-35-4   | 1,1-Dichloroethene             | 610             |       | U |
| 67-64-1   | Acetone                        | 3100            |       | U |
| 75-15-0   | Carbon Disulfide               | 610             |       | U |
| 1634-04-4 | Methyl tert-butyl Ether        | 610             |       | U |
| 79-20-9   | Methyl Acetate                 | 610             |       | U |
| 75-09-2   | Methylene Chloride             | 610             |       | U |
| 156-60-5  | trans-1,2-Dichloroethene       | 610             |       | U |
| 75-34-3   | 1,1-Dichloroethane             | 610             |       | U |
| 110-82-7  | Cyclohexane                    | 610             |       | U |
| 78-93-3   | 2-Butanone                     | 3100            |       | U |
| 56-23-5   | Carbon Tetrachloride           | 610             |       | U |
| 156-59-2  | cis-1,2-Dichloroethene         | 610             |       | U |
| 67-66-3   | Chloroform                     | 610             |       | U |
| 71-55-6   | 1,1,1-Trichloroethane          | 610             |       | U |
| 108-87-2  | Methylcyclohexane              | 610             |       | U |
| 71-43-2   | Benzene                        | 610             |       | U |
| 107-06-2  | 1,2-Dichloroethane             | 610             |       | U |
| 79-01-6   | Trichloroethene                | 610             |       | U |
| 78-87-5   | 1,2-Dichloropropane            | 610             |       | U |
| 75-27-4   | Bromodichloromethane           | 610             |       | U |
| 108-10-1  | 4-Methyl-2-Pentanone           | 3100            |       | U |
| 108-88-3  | Toluene                        | 610             |       | U |

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5/18/10

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-2-0510DL

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-01DL

Sample wt/vol: 5.02 (g/mL) g Lab File ID: VE017623.D

Level: (low/med) MED Date Received: 04/01/10

% Moisture: not dec. 19 Date Analyzed: 04/05/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |      |   |
|-------------|-----------------------------|------|---|
| 10061-02-6  | t-1,3-Dichloropropene       | 610  | U |
| 10061-01-5  | cis-1,3-Dichloropropene     | 610  | U |
| 79-00-5     | 1,1,2-Trichloroethane       | 610  | U |
| 591-78-6    | 2-Hexanone                  | 3100 | U |
| 124-48-1    | Dibromochloromethane        | 610  | U |
| 106-93-4    | 1,2-Dibromoethane           | 610  | U |
| 127-18-4    | Tetrachloroethene           | 2500 | U |
| 108-90-7    | Chlorobenzene               | 610  | U |
| 100-41-4    | Ethyl Benzene               | 610  | U |
| 179601-23-1 | m/p-Xylenes                 | 1200 | U |
| 95-47-6     | o-Xylene                    | 610  | U |
| 100-42-5    | Styrene                     | 610  | U |
| 75-25-2     | Bromoform                   | 610  | U |
| 98-82-8     | Isopropylbenzene            | 610  | U |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 610  | U |
| 541-73-1    | 1,3-Dichlorobenzene         | 610  | U |
| 106-46-7    | 1,4-Dichlorobenzene         | 610  | U |
| 95-50-1     | 1,2-Dichlorobenzene         | 610  | U |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 610  | U |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 610  | U |

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## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-52-0510

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-04

Sample wt/vol: 4.98 (g/mL) g Lab File ID: VK038304.D

Level: (low/med) LOW Date Received: 04/01/10

% Moisture: not dec. 18 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                                |     |              |    |
|-----------|--------------------------------|-----|--------------|----|
| 75-71-8   | Dichlorodifluoromethane        | 6.1 | <del>U</del> | uJ |
| 74-87-3   | Chloromethane                  | 6.1 | U            |    |
| 75-01-4   | Vinyl Chloride                 | 6.1 | U            |    |
| 74-83-9   | Bromomethane                   | 6.1 | U            |    |
| 75-00-3   | Chloroethane                   | 6.1 | U            |    |
| 75-69-4   | Trichlorofluoromethane         | 6.1 | U            |    |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 6.1 | <del>U</del> | uJ |
| 75-35-4   | 1,1-Dichloroethene             | 6.1 | U            |    |
| 67-64-1   | Acetone                        | 16  | J            |    |
| 75-15-0   | Carbon Disulfide               | 6.1 | U            |    |
| 1634-04-4 | Methyl tert-butyl Ether        | 6.1 | U            |    |
| 79-20-9   | Methyl Acetate                 | 6.1 | U            |    |
| 75-09-2   | Methylene Chloride             | 6.1 | U            |    |
| 156-60-5  | trans-1,2-Dichloroethene       | 1.3 | J            |    |
| 75-34-3   | 1,1-Dichloroethane             | 6.1 | U            |    |
| 110-82-7  | Cyclohexane                    | 6.1 | U            |    |
| 78-93-3   | 2-Butanone                     | 31  | U            |    |
| 56-23-5   | Carbon Tetrachloride           | 6.1 | U            |    |
| 156-59-2  | cis-1,2-Dichloroethene         | 26  |              |    |
| 67-66-3   | Chloroform                     | 6.1 | U            |    |
| 71-55-6   | 1,1,1-Trichloroethane          | 6.4 |              |    |
| 108-87-2  | Methylcyclohexane              | 6.1 | U            |    |
| 71-43-2   | Benzene                        | 6.1 | U            |    |
| 107-06-2  | 1,2-Dichloroethane             | 6.1 | U            |    |
| 79-01-6   | Trichloroethene                | 110 |              | J  |
| 78-87-5   | 1,2-Dichloropropane            | 6.1 | U            |    |
| 75-27-4   | Bromodichloromethane           | 6.1 | U            |    |
| 108-10-1  | 4-Methyl-2-Pentanone           | 31  | U            |    |
| 108-88-3  | Toluene                        | 6.1 | U            |    |



## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-52-0510

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-04

Sample wt/vol: 4.98 (g/mL) g Lab File ID: VK038304.D

Level: (low/med) LOW Date Received: 04/01/10

% Moisture: not dec. 18 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume:            (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |                      |              |
|-------------|-----------------------------|----------------------|--------------|
| 10061-02-6  | t-1,3-Dichloropropene       | 6.1                  | U            |
| 10061-01-5  | cis-1,3-Dichloropropene     | 6.1                  | U            |
| 79-00-5     | 1,1,2-Trichloroethane       | 6.1                  | U            |
| 591-78-6    | 2-Hexanone                  | 31                   | U            |
| 124-48-1    | Dibromochloromethane        | 6.1                  | U            |
| 106-93-4    | 1,2-Dibromoethane           | 6.1                  | U            |
| 127-18-4    | Tetrachloroethene           | <del>2100</del> 3700 | <del>U</del> |
| 108-90-7    | Chlorobenzene               | 6.1                  | U            |
| 100-41-4    | Ethyl Benzene               | 6.1                  | U            |
| 179601-23-1 | m/p-Xylenes                 | 2.6                  | J            |
| 95-47-6     | o-Xylene                    | 1.5                  | J            |
| 100-42-5    | Styrene                     | 6.1                  | U            |
| 75-25-2     | Bromoform                   | 6.1                  | U            |
| 98-82-8     | Isopropylbenzene            | 6.1                  | U            |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 6.1                  | U            |
| 541-73-1    | 1,3-Dichlorobenzene         | 6.1                  | U            |
| 106-46-7    | 1,4-Dichlorobenzene         | 6.1                  | U            |
| 95-50-1     | 1,2-Dichlorobenzene         | 6.1                  | U            |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 6.1                  | U            |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 6.1                  | U            |

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SG-52-0510DL

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-04DL

Sample wt/vol: 4.98 (g/mL) g Lab File ID: VE017625.D

Level: (low/med) MED Date Received: 04/01/10

% Moisture: not dec. 18 Date Analyzed: 04/05/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

Use original results

| CAS NO.   | COMPOUND                       | (ug/L or ug/Kg) | ug/Kg | Q |
|-----------|--------------------------------|-----------------|-------|---|
| 75-71-8   | Dichlorodifluoromethane        | 610             |       | U |
| 74-87-3   | Chloromethane                  | 610             |       | U |
| 75-01-4   | Vinyl Chloride                 | 610             |       | U |
| 74-83-9   | Bromomethane                   | 610             |       | U |
| 75-00-3   | Chloroethane                   | 610             |       | U |
| 75-69-4   | Trichlorofluoromethane         | 610             |       | U |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 610             |       | U |
| 75-35-4   | 1,1-Dichloroethene             | 610             |       | U |
| 67-64-1   | Acetone                        | 3100            |       | U |
| 75-15-0   | Carbon Disulfide               | 610             |       | U |
| 1634-04-4 | Methyl tert-butyl Ether        | 610             |       | U |
| 79-20-9   | Methyl Acetate                 | 610             |       | U |
| 75-09-2   | Methylene Chloride             | 610             |       | U |
| 156-60-5  | trans-1,2-Dichloroethene       | 610             |       | U |
| 75-34-3   | 1,1-Dichloroethane             | 610             |       | U |
| 110-82-7  | Cyclohexane                    | 610             |       | U |
| 78-93-3   | 2-Butanone                     | 3100            |       | U |
| 56-23-5   | Carbon Tetrachloride           | 610             |       | U |
| 156-59-2  | cis-1,2-Dichloroethene         | 610             |       | U |
| 67-66-3   | Chloroform                     | 610             |       | U |
| 71-55-6   | 1,1,1-Trichloroethane          | 610             |       | U |
| 108-87-2  | Methylcyclohexane              | 610             |       | U |
| 71-43-2   | Benzene                        | 610             |       | U |
| 107-06-2  | 1,2-Dichloroethane             | 610             |       | U |
| 79-01-6   | Trichloroethene                | 610             |       | U |
| 78-87-5   | 1,2-Dichloropropane            | 610             |       | U |
| 75-27-4   | Bromodichloromethane           | 610             |       | U |
| 108-10-1  | 4-Methyl-2-Pentanone           | 3100            |       | U |
| 108-88-3  | Toluene                        | 610             |       | U |

## VOLATILE ORGANICS ANALYSIS DATA SHEET

402

EPA SAMPLE NO.

SG-52-0510DL

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-04DL

Sample wt/vol: 4.98 (g/mL) g Lab File ID: VE017625.D

Level: (low/med) MED Date Received: 04/01/10

% Moisture: not dec. 18 Date Analyzed: 04/05/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |      |   |
|-------------|-----------------------------|------|---|
| 10061-02-6  | t-1,3-Dichloropropene       | 610  | U |
| 10061-01-5  | cis-1,3-Dichloropropene     | 610  | U |
| 79-00-5     | 1,1,2-Trichloroethane       | 610  | U |
| 591-78-6    | 2-Hexanone                  | 3100 | U |
| 124-48-1    | Dibromochloromethane        | 610  | U |
| 106-93-4    | 1,2-Dibromoethane           | 610  | U |
| 127-18-4    | Tetrachloroethene           | 3700 | U |
| 108-90-7    | Chlorobenzene               | 610  | U |
| 100-41-4    | Ethyl Benzene               | 610  | U |
| 179601-23-1 | m/p-Xylenes                 | 1200 | U |
| 95-47-6     | o-Xylene                    | 610  | U |
| 100-42-5    | Styrene                     | 610  | U |
| 75-25-2     | Bromoform                   | 610  | U |
| 98-82-8     | Isopropylbenzene            | 610  | U |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 610  | U |
| 541-73-1    | 1,3-Dichlorobenzene         | 610  | U |
| 106-46-7    | 1,4-Dichlorobenzene         | 610  | U |
| 95-50-1     | 1,2-Dichlorobenzene         | 610  | U |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 610  | U |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 610  | U |

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5/18/10

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-05

Sample wt/vol: 5.04 (g/mL) g Lab File ID: VK038302.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: not dec. 12 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume:            (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                                |     |          |    |
|-----------|--------------------------------|-----|----------|----|
| 75-71-8   | Dichlorodifluoromethane        | 5.6 | <u>✓</u> | uJ |
| 74-87-3   | Chloromethane                  | 5.6 | U        |    |
| 75-01-4   | Vinyl Chloride                 | 5.6 | U        |    |
| 74-83-9   | Bromomethane                   | 5.6 | U        |    |
| 75-00-3   | Chloroethane                   | 5.6 | U        |    |
| 75-69-4   | Trichlorofluoromethane         | 5.6 | U        | uJ |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 5.6 | <u>✓</u> |    |
| 75-35-4   | 1,1-Dichloroethene             | 5.6 | U        |    |
| 67-64-1   | Acetone                        | 76  |          |    |
| 75-15-0   | Carbon Disulfide               | 5.6 | U        |    |
| 1634-04-4 | Methyl tert-butyl Ether        | 5.6 | U        |    |
| 79-20-9   | Methyl Acetate                 | 5.6 | U        |    |
| 75-09-2   | Methylene Chloride             | 3.2 | J        |    |
| 156-60-5  | trans-1,2-Dichloroethene       | 5.6 | U        |    |
| 75-34-3   | 1,1-Dichloroethane             | 5.6 | U        |    |
| 110-82-7  | Cyclohexane                    | 5.6 | U        |    |
| 78-93-3   | 2-Butanone                     | 28  | U        |    |
| 56-23-5   | Carbon Tetrachloride           | 5.6 | U        |    |
| 156-59-2  | cis-1,2-Dichloroethene         | 5.6 | U        |    |
| 67-66-3   | Chloroform                     | 5.6 | U        |    |
| 71-55-6   | 1,1,1-Trichloroethane          | 5.6 | U        |    |
| 108-87-2  | Methylcyclohexane              | 5.6 | U        |    |
| 71-43-2   | Benzene                        | 5.6 | U        |    |
| 107-06-2  | 1,2-Dichloroethane             | 5.6 | U        |    |
| 79-01-6   | Trichloroethene                | 6.5 |          |    |
| 78-87-5   | 1,2-Dichloropropane            | 5.6 | U        |    |
| 75-27-4   | Bromodichloromethane           | 5.6 | U        |    |
| 108-10-1  | 4-Methyl-2-Pentanone           | 28  | U        |    |
| 108-88-3  | Toluene                        | 5.6 | U        |    |

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-05

Sample wt/vol: 5.04 (g/mL) g Lab File ID: VK038302.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: not dec. 12 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume:                      (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |                      |              |
|-------------|-----------------------------|----------------------|--------------|
| 10061-02-6  | t-1,3-Dichloropropene       | 5.6                  | U            |
| 10061-01-5  | cis-1,3-Dichloropropene     | 5.6                  | U            |
| 79-00-5     | 1,1,2-Trichloroethane       | 5.6                  | U            |
| 591-78-6    | 2-Hexanone                  | 28                   | U            |
| 124-48-1    | Dibromochloromethane        | 5.6                  | U            |
| 106-93-4    | 1,2-Dibromoethane           | 5.6                  | U            |
| 127-18-4    | Tetrachloroethene           | <del>4400</del> 2200 | <del>U</del> |
| 108-90-7    | Chlorobenzene               | 5.6                  | U            |
| 100-41-4    | Ethyl Benzene               | 5.6                  | U            |
| 179601-23-1 | m/p-Xylenes                 | 11                   | U            |
| 95-47-6     | o-Xylene                    | 5.6                  | U            |
| 100-42-5    | Styrene                     | 5.6                  | U            |
| 75-25-2     | Bromoform                   | 5.6                  | U            |
| 98-82-8     | Isopropylbenzene            | 5.6                  | U            |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 5.6                  | U            |
| 541-73-1    | 1,3-Dichlorobenzene         | 5.6                  | U            |
| 106-46-7    | 1,4-Dichlorobenzene         | 5.6                  | U            |
| 95-50-1     | 1,2-Dichlorobenzene         | 5.6                  | U            |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 5.6                  | U            |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 5.6                  | U            |

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2DL

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-05DL

Sample wt/vol: 5 (g/mL) g Lab File ID: VE017624.D

Level: (low/med) MED Date Received: 04/02/10

% Moisture: not dec. 12 Date Analyzed: 04/05/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                                |      |   |
|-----------|--------------------------------|------|---|
| 75-71-8   | Dichlorodifluoromethane        | 570  | U |
| 74-87-3   | Chloromethane                  | 570  | U |
| 75-01-4   | Vinyl Chloride                 | 570  | U |
| 74-83-9   | Bromomethane                   | 570  | U |
| 75-00-3   | Chloroethane                   | 570  | U |
| 75-69-4   | Trichlorofluoromethane         | 570  | U |
| 76-13-1   | 1,1,2-Trichlorotrifluoroethane | 570  | U |
| 75-35-4   | 1,1-Dichloroethene             | 570  | U |
| 67-64-1   | Acetone                        | 2800 | U |
| 75-15-0   | Carbon Disulfide               | 570  | U |
| 1634-04-4 | Methyl tert-butyl Ether        | 570  | U |
| 79-20-9   | Methyl Acetate                 | 570  | U |
| 75-09-2   | Methylene Chloride             | 570  | U |
| 156-60-5  | trans-1,2-Dichloroethene       | 570  | U |
| 75-34-3   | 1,1-Dichloroethane             | 570  | U |
| 110-82-7  | Cyclohexane                    | 570  | U |
| 78-93-3   | 2-Butanone                     | 2800 | U |
| 56-23-5   | Carbon Tetrachloride           | 570  | U |
| 156-59-2  | cis-1,2-Dichloroethene         | 570  | U |
| 67-66-3   | Chloroform                     | 570  | U |
| 71-55-6   | 1,1,1-Trichloroethane          | 570  | U |
| 108-87-2  | Methylcyclohexane              | 570  | U |
| 71-43-2   | Benzene                        | 570  | U |
| 107-06-2  | 1,2-Dichloroethane             | 570  | U |
| 79-01-6   | Trichloroethene                | 570  | U |
| 78-87-5   | 1,2-Dichloropropane            | 570  | U |
| 75-27-4   | Bromodichloromethane           | 570  | U |
| 108-10-1  | 4-Methyl-2-Pentanone           | 2800 | U |
| 108-88-3  | Toluene                        | 570  | U |

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## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2DL

Lab Name: Chemtech Contract: EART05

Lab Code: CHEM Case No.: B1758 SAS No.: B1758 SDG No.: B1758

Matrix (soil/water): SOIL Lab Sample ID: B1758-05DL

Sample wt/vol: 5 (g/mL) g Lab File ID: VE017624.D

Level: (low/med) MED Date Received: 04/02/10

% Moisture: not dec. 12 Date Analyzed: 04/05/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|             |                             |      |   |
|-------------|-----------------------------|------|---|
| 10061-02-6  | t-1,3-Dichloropropene       | 570  | U |
| 10061-01-5  | cis-1,3-Dichloropropene     | 570  | U |
| 79-00-5     | 1,1,2-Trichloroethane       | 570  | U |
| 591-78-6    | 2-Hexanone                  | 2800 | U |
| 124-48-1    | Dibromochloromethane        | 570  | U |
| 106-93-4    | 1,2-Dibromoethane           | 570  | U |
| 127-18-4    | Tetrachloroethene           | 2200 | D |
| 108-90-7    | Chlorobenzene               | 570  | U |
| 100-41-4    | Ethyl Benzene               | 570  | U |
| 179601-23-1 | m/p-Xylenes                 | 1100 | U |
| 95-47-6     | o-Xylene                    | 570  | U |
| 100-42-5    | Styrene                     | 570  | U |
| 75-25-2     | Bromoform                   | 570  | U |
| 98-82-8     | Isopropylbenzene            | 570  | U |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 570  | U |
| 541-73-1    | 1,3-Dichlorobenzene         | 570  | U |
| 106-46-7    | 1,4-Dichlorobenzene         | 570  | U |
| 95-50-1     | 1,2-Dichlorobenzene         | 570  | U |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 570  | U |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 570  | U |

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