



**PETROLEUM VAPOR INTRUSION (PVI)  
LIMITED VAPOR INTRUSION INVESTIGATION  
7-11 (CHRISTY'S)  
345 MAIN STREET  
LEWISTON, MAINE**

Prepared for:

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## INTRODUCTION

In June 2010, Summit Environmental Consultants, Inc. (Summit) along with four other consulting firms were selected by the Maine Department of Environmental Protection (MEDEP) to provide vapor intrusion investigation and data analysis services for petroleum sites throughout Maine. Summit was assigned the Christy's Market Property (Christy's) located at 345 Main Street in Lewiston, Maine (the Site) to identify the potential for petroleum vapor intrusion (PVI) into site buildings.

In September 2010 Summit developed a Work Plan for the project following MEDEP guidance and incorporating their input including a conceptual site model and description of the scope of investigations. Based upon the the MEDEP's request to complete a second round of sampling to determine season change and evaluate risk to hydraulically downgradient potential receptor, a second round of samples were collected in December 2010 for comparison purposes. This report provides the results of both of these PVI Triage Study - PHASE IIA and PHASE IIB and follows the reporting format and content provided by MEDEP.

### 1.0 OBJECTIVES

The objectives of the study were to:

- Sample residual soil contamination (if indicated by field observations) at potential source areas that were reasonably accessible (i.e. adjacent to previous UST)
- Sample groundwater beneath and downgradient of source areas if contamination was indicated by field observations
- Characterize the horizontal and vertical attenuation of Chemicals of Potential Concern (CPOCs) in soil vapor from both soil and groundwater contamination areas
- Assess on-site soil vapor pathways (i.e. subslab, utility trenches) to identify potential risks to on-site and off-site receptors

### 2.0 SITE BACKGROUND AND CONCEPTUAL SITE MODEL

#### Facility Use/Petroleum Storage

The 0.47 acre site is located on the east side of Main Street and the north side of Bond Street (see Figures 1, 2 and 3). One concrete and mortar building (approximately 2,045 square feet) is located on the property. The Site is located in an area zoned by the City of Lewiston as Commercial. The building is currently used as a gasoline station/convenience store and the site has been used for retail gasoline sales since the mid-1950s, prior to which time it was in residential use. A metal-roofed canopy with two gasoline pump islands is located west of the Site building. The pump islands are connected to three on-site underground gasoline storage tanks (USTs) located to the north of the Site building.

#### Release

According to a report completed by Shevenell-Gallen in 1995 for the MEDEP, free product gasoline was discovered at the Site. This free product appeared to be limited to along Main Street and within the bedding material of the existing USTs to the north of the Site building. The free product near the UST bed appeared to be of a recent release due to MTBE concentrations, whereas the soil impacts observed near Main Street had low volatile components, indicating a historic release in this area. The Maine UST registration number for the Site is 2439.

Based on the relatively high PID results obtained during the 1995 investigation, it is likely that soil vapors at the site have been impacted by petroleum constituents (benzene, toluene, ethylbenzene, xylenes and other VOCs).

### **Chemicals of Potential Concern (COPCs)**

The primary chemical of potential concern is gasoline and its associated volatile petroleum constituents (primarily benzene and ethyl benzene, and to a lesser extent toluene, xylenes and other VOCs). Chemical properties relating to vapor migration and mobility in soil vapor and groundwater are summarized below:

#### Benzene

- Maine Soil Gas Target Concentration = 15 ug/m<sup>3</sup>
- vapor pressure = 95 mm
- Henry's law constant =  $5.6 \times 10^{-3}$  atm-m<sup>3</sup>/mol
- solubility = 1750 mg/liter
- specific gravity = 0.88

The solubility of this and other gasoline constituents (benzene = 1750 mg/liter, ethyl benzene = 100 mg/liter) indicate a tendency for these constituents to dissolve into and migrate with groundwater. However, significant concentrations of Volatile Petroleum Hydrocarbons (VPH) in soils are common at Maine UST release sites. Paved sites with sandy soils support vapor migration – however, the large unsaturated thickness at the site (see below) suggests the potential for attenuation unless there is a large residual source of petroleum.

### **Subsurface Exposure Pathway**

The paved areas of the site (elevation 230+ feet above mean sea level) are relatively flat, dropping down to the Androscoggin River about 1,800 feet southeast of the site (the River elevation is estimated at 160 feet msl). Maine Geologic Survey has mapped Marine Regressive Sand deposits consisting of sand silt, and minor gravel beneath the Site. Borings completed on the Site for Shevenell-Gallen indicated sand and gravel fill overlying clay and finally sand below the groundwater table. The depth to groundwater was about 21 feet bgs on the property.

The former (and current) UST location(s) and pump islands are located directly upgradient topographically from the slab on grade of the convenience store. With an apparent groundwater divide along Main Street to the west, understanding groundwater flow directions on site will be important for assessing migration of dissolved (and separate phase if any) petroleum in the groundwater (or on the water table) as it moves beneath the convenience store.

Subsurface public utilities include water and sewer and enter the southwest side of building. The exact location of these utilities with respect to any residual soil contamination is not known, though site specific utility locating is planned for the site. Smaller on-site electrical conduit that runs from the store to the USTs, dispensers and any signage represent additional potential pathways.

### **Existing Data**

Data provided by the MEDEP regarding the past investigations conducted on the property indicate that free product has been observed in several of the on-site monitoring wells. During

the Site walk it was observed that free product in MW-3A, to the north of the Site building, had two to three inches of free product within a bailer.

The MEDEP operated an extraction trench to remove free product in the late 1990s on the parcel to the east of the Christy's property.

### **Environmental**

The presence of traffic and ambient sources of BTEX from the sale of gasoline at the site are air quality conditions that could effect onsite sampling and analyses. Historical site and area land use of interest include the current dry cleaner (John's) located to the north of the Site. It is anticipated that any soil vapor signature from this off site past use would have a fingerprint of tetrachloroethylene - significantly different from the VPH fingerprint anticipated at the Christie's site.

### **Receptors**

The primary receptors of vapor intrusion from petroleum sources at the site are the workers and customers at the convenience store and at the residences to the east. Other buildings to the north across Prescott Street may represent potential receptors based on the results of the on-site investigations.

## **3.0 METHODOLOGY**

One day of Geoprobe investigations were completed downgradient and side gradient to the Christy's Market on September 29, 2010. Investigations included field screening and sampling of soils and soil vapor and groundwater sampling and analyses. Based upon the MEDEP's experience with this Site (operating an extraction trench to remove free product in the late 1990s), the majority of the field work was completed on the downgradient property located to the east of the Site. Two subslab vapor samples were collected from the existing convenience store building on the property (SSV-01 and SSV-02). The 7-11 is a concrete slab on grade and Labonte residence has a full concrete foundation and the concrete basement slab is approximately 6 feet below grade.

On December 21, 2010, samples were collected for groundwater and soil vapor from the same points as the September 29, 2010 event with the addition of two monitoring wells (MW-104 and MW-3A), a subslab vapor sample from the Labonte property (SSV-03), an ambient air sample within this structure's basement (Labonte), and a push point vapor sample along the exterior of this building (SV-107).

Sample locations are shown on Figure 2 and are summarized as follows:

### **Source Areas**

Information reviewed for the property from the Shevenell-Gallen report indicated that significant gasoline contamination was present on the property after the removal and replacement of the USTs in the 1990s. Free product was discovered during the investigation and was removed via a pump and treat system until the early 2000s. During the initial site visit with MEDEP in mid-September, approximately two to three inches of free product was observed within MW-3A (former extraction well) near the USTs.

### **Migration, Attenuation and Preferential Pathways**

Petroleum migration to the east has been an historical issue and presently the DEP is concerned over vapor intrusion into other nearby buildings. The purpose of this investigation was three-fold:

1. Assess petroleum migration from the source areas in soil vapor and groundwater
2. Assess the vertical attenuation of soil vapor with respect to soil and groundwater contamination.
3. Assess the horizontal attenuation of soil vapor and examine the role of prefential pathways (utility trenches)

To assess these issues, the following explorations were completed. A total of six (6) Geoprobe borings were advanced to characterize the subsurface materials. Soil vapor probes were installed in five (5) borings and monitoring wells were installed in five (5) borings. The specifics for each boring location are as follows:

- Five (5) 1-inch diameter monitoring wells were installed in (MW-101, MW-102, MW-103, MW-104, and MW-106)
- Soil vapor probes were installed in five (5) borings (SV-101 (abandoned) to SV-103 and SV-105 to SV-106).
- Multi-level soil vapor probes were installed in three (3) borings (SV-102, SV-103 and SV-105).
- One push point sample (SV-107) was installed (December 21, 2010) adjacent to the Labonte building to replace SV-101 which was discovered to have water when developed during the initial installation (September 29, 2010).
- Two subslab vapor samples (SSV-01 and SSV-02) were collected from the existing building located on the Christy's property.
- On December 21, 2010, a subslab vapor sample (SSV-03) was collected from the Labonte property to the east of the Christy's property (downgradient).

In addition, one indoor air sample (Labonte Basement) was collected from within the basement of the Labonte property (also on December 21, 2010) to determine if ambient air within the building had been affected by the impacts observed on the Christy's property.

The vapor and groundwater sampling equipment installed at each Geoprobe borings, push point, or subslab location are summarized in Table 1 below:

**TABLE 1: SUMMARY OF SAMPLING LOCATIONS AND PARAMETERS**

| Boring ID            | B-101               | B-102  | B-103   | B-104    | B-105  | B-106               | SV-107   | SSV-01              | SSV-02              | SSV-03   | Labonte  |
|----------------------|---------------------|--|---|----------|--|---------------------|----------|---------------------|---------------------|----------|----------|
| Date Sampled         | 9/29/10<br>12/21/10 | 9/29/10<br>12/21/10                              | 9/29/10<br>12/21/10                               | 12/21/10 | 9/29/10<br>12/21/10  | 9/29/10<br>12/21/10 | 12/21/10 | 9/29/10<br>12/21/10 | 9/29/10<br>12/21/10 | 12/21/10 | 12/21/10 |
| Soil Sampled for VPH |                     |  | 16-20 ft<br>9/29/10                               |          | 8-12 ft<br>9/29/10   |                     |          |                     |                     |          |          |
| Ground Water         | MW-101              | MW-102   | MW-103  | MW-104   | MW-3A  | MW-106              |          |                     |                     |          |          |
| Vapor Probe (bgs)    |                     | SV-102<br>4 ft (both dates) & 11 ft only 9/29/10 | SV-103<br>4 ft (both dates) & 9 ft (only 9/29/10) |          | SV-105<br>4 ft, 11 (both dates) ft, & 18 ft (9/29/10 only) | SV-106<br>4 ft      | 2 ft     | 6 in                | 6 in                | 6 in     |          |
| Purpose^             |                     | VA, LA   | LA, VA  |          | S  | LA                  | LA, NS   | SS                  | SS                  | SS       | IA       |

<sup>^</sup> Purpose: S=source, SS=subslab, NS=near slab, LA = lateral attenuation, VA = vertical attenuation, P=preferential pathway, IA = Indoor Air

### Soil

Geoprobe borings were advanced using a four-foot sampler with dedicated disposable acetate sampling sleeves and were completed to depths ranging from 20 feet bgs at B-101, B-102, B-103, B-105, and B-106 to 24 feet bgs at B-104. Refusal was not encountered at any of the borings.

Soil samples were collected continuously, logged for geologic classification and screened with a *MiniRae 3000*<sup>®</sup> field-portable PID equipped with a 10.6 eV probe, calibrated with 100 ppm isobutylene and recording uncorrected results. One soil sample was collected from boring B-103 (16-20 feet bgs) and one sample was collected from boring B-105 (8-12 feet bgs) and both submitted to Maine Environmental Laboratory/Analytics Environmental Laboratory (MEL/AEL) for Massachusetts Department of Environmental Protection (MADEP) Volatile Petroleum Hydrocarbon (VPH) based on PID and odor indications of petroleum. Boring logs are provided in Appendix A.

### Groundwater

Monitoring wells were installed at MW-101, MW-102, and MW-103 located directly downgradient of the Christy's property on the adjacent property; at MW-106 downgradient from MW-102 on the adjacent property; and at MW-104 side gradient of the Christy's building on the Site. Each of these locations, with the exception of MW-104, is located adjacent to a soil vapor sample point. Wells were constructed of 1 inch PVC installed two to four feet into the water table to allow ground water sampling and to provide depth to groundwater data. Additionally, the former extraction well (MW-3A) was sampled during the December sampling round to correlate the SV-105 vapor sample data.

Groundwater samples were collected using a peristaltic pump at a low flow rate and submitted to MEL/AEL for VPH analyses. Well construction logs are included in Appendix A.

Soil Vapor

Soil vapor sampling probes were installed consistent with methods described in the current MEDEP SOPs for Collecting Soil Gas Samples.

Soil vapor probes were supplied by Geoprobe and consisted of ½ inch x 6 inch double woven stainless steel wire screens with 0.0057 inch slots connected to ¼ inch teflon tubing. They were installed as follows:

- SSV-01 – a subslab sample collected at 0.5 feet below slab surface by drilling a hole in the concrete floor slab of the western corner of the cooler room and installing a probe and teflon tubing and sealing the tubing around the hole.
- SSV-02 – a subslab sample collected at 0.5 feet below slab surface by drilling a hole in the concrete floor slab of the eastern corner of the cooler room and installing a probe and teflon tubing and sealing the tubing around the hole.
- SSV-03 – a subslab sample collected at 0.5 feet below slab surface by drilling a hole in the concrete floor slab of the basement of the Labonte property (downgradient) and installing a probe and teflon tubing and sealing the tubing around the hole.
- SV-102 – two probes (shallow and deep) set in a Geoprobe boring B-102 at 4 feet and 11 feet bgs to assess vapor migration at a location directly downgradient of the Christy's building. Both locations were sampled in September; however in December the deep probe became saturated with water so only the shallow probe was sampled.
- SV-103 – two probes (shallow and deep) set in a Geoprobe boring B-103 at 4 feet and 9 feet bgs to assess vapor migration at a location directly downgradient of the Christy's building. Both locations were sampled in September; however in December the deep probe became saturated with water so only the shallow probe was sampled.
- SV-105 – three probes (shallow, mid, and deep) set in a Geoprobe boring B-105 at 4 feet and 11 feet and 18 feet bgs to assess vapor migration at a location within the presumed source area near the USTs. All three locations were sampled in September; however in December the deep probe became saturated with water so only the shallow and mid probes were sampled.
- SV-107 – a push point sampler was installed to a depth of 2 feet bgs to assess vapor migration along the foundation of the Labonte building downgradient of the UST location. This location was selected in December to replace SV-101 which was saturated in September and therefore could not be sampled.

Field screening of soil gas extracted with a peristaltic pump was performed with a CO<sub>2</sub>/O<sub>2</sub>/Methane meter to ensure that atmospheric concentrations of CO<sub>2</sub> were not present and that the soil gas samples were representative of soil vapor. Soil vapor samples were collected in 30 minute Summa canisters and submitted to Alpha Analytical for analyses by the MADEP Air Petroleum Hydrocarbon (APH) method for petroleum parameters and by TO-15 for Volatile Organic Compounds (VOCs). Canisters typically started at 27 to 30 inches (of mercury) vacuum and finished at 3 to 5 inches of vacuum. Soil vapor probe construction and sampling information is provided on Field Data Sheets in Appendix B.

Indoor Air

One indoor air sample was collected from within the basement of the Labonte property to determine if indoor air impacts were present and also to correlate the data from the subslab location in this basement (SSV-03) and the soil vapor location along the foundation (SV-107).

#### Receptors

Potential receptors of petroleum vapors at the site include customers and workers at the store and building occupants on adjacent residential properties to the east and commercial properties to the north across Prescott Street.

### **4.0 RESULTS**

Results of field and laboratory analyses are provided in Table 2 (Groundwater Samples Summary Table), Table 3 (Soil Samples Summary Table) and Table 4 (Soil Gas and Indoor Air Detections Summary Table) prepared from MEDEPs EGAD data base providing a comprehensive tabulation of analytes, results, detection limits and data qualifiers.

#### **4.1 QUALITY ASSURANCE**

A comparison of post sample field and laboratory measurements of carbon dioxide and oxygen at soil vapor probes indicate the following (see Table 4):

- Field measurements of carbon dioxide ranged from 0.41% to 2.95%, while lab results ranged from less than 0.162 to 10.2%. Field measurements ranged from .79 to 3.2 times higher than lab results.
- Field measurements of oxygen ranged from 16.7% to 20.8%, while lab results ranged from 14.1% to 19.5%. Field measurements ranged from 1.04 to 1.23 times higher than lab results.

A comparison of post sample (0.41 to greater than 2.95%) to ambient (0.02 to 0.19%) carbon dioxide measurements at soil vapor probes indicates field evidence of a good seal.

Groundwater and soil samples from the first round (September 29, 2010) were delivered to MEL on September 30, 2010. All samples were delivered within the applicable holding times and within the specified temperature range. Summit obtained sample results from MEL on October 14, 2010. Included in the sample results package was a copy of QA data. Summit shipped the soil gas samples to Alpha Analytical on September 30, 2010 and received confirmation of their delivery on October 1, 2010 (within holding time). Summit obtained analytical results from Alpha on October 11, 2010. The labs did not indicate interferences or problems had occurred in the analytical stages or handling of the samples.

Groundwater samples from the second round (December 21, 2010) were delivered to MEL on December 22, 2010. All samples were delivered within the applicable holding times and within the specified temperature range. Summit obtained sample results from MEL on January 5, 2011. Included in the sample results package was a copy of QA data. Summit shipped the soil gas samples to Alpha Analytical on December 22, 2010 and received confirmation of their delivery on December 24, 2010 (within holding time). Summit obtained analytical results from Alpha on January 7, 2011. The labs did not indicate interferences or problems had occurred in the analytical stages or handling of the samples.

#### **4.2 SOURCE AREA SOIL**

Surficial geology at the Site consisted of asphalt and/or topsoil underlain by sand and gravel fill to clay. Refusal (presumed bedrock) was not encountered on the property. The depth to the

water table was approximately 12 feet bgs on the lower eastern section of the Site and approximately 20 feet bgs on the western portion of the property.

Indications of petroleum (odor and PID) in soil samples were observed at B-101, B-102, B-103, B-105, and B-106. The highest PID (uncorrected) measurements and/or free product droplets were observed at B-105 (49 ppmv) and B-103 (78 ppmv). PID results are included on Soil Boring Logs in Appendix A.

Soil samples from B-103 (16-20 ft), and B-105 (8-12 ft) were submitted to the lab for VPH and % solids.

Laboratory results for one soil sample submitted for lab analyses (B-103 at 16-20 feet bgs) indicated significant detections of petroleum target compounds as well as VPH fractions (see Table 3).

#### **4.3 GROUNDWATER**

Results of groundwater sampling for VPH are presented in Table 2. Results indicate petroleum contamination in all wells. Based on a comparison of detected VPH concentrations to the Massachusetts Groundwater Standard-2 (Mass GW-2) exceedences occurred in wells MW-101, MW-102, MW-103, and MW-3A for specific compounds. Please refer to the table for further information.

#### **4.4 SOIL VAPOR**

Soil vapor detections are summarized in Table 4. Low to high levels of MADEP-APH were detected in all soil vapor probes. Based on a comparison of detected concentrations to the Maine Residential Multi-Contaminant Chronic Soil Gas Target (G-1), exceedences occurred at all probes except SSV-01, SSV-02, and SSV-03 (all subslab). Refer to the table for further information as to exceedences.

Utility trenches are not present between the source area (SV-105) and the downgradient structure (Labonte), however groundwater results from MW-101 indicate that impacted ground water above the MCL exists near this residence and could pose a risk if utilities are installed within this pathway.

Based on a recent literature summary published in *Soil and Sediment Contamination* (Evaluation of Vapor Attenuation at Petroleum Hydrocarbon sites: Consideration for Site Screening and Investigations; 19:724-745, 2010) provided by MEDEP, the potential for vapor intrusion impacts at this site appears to be moderate, based on residual petroleum impacts in shallow ground water (11-20 feet bgs), a relatively thin unsaturated overburden (about 8-9 feet), the overall percentage of paved areas, granular fill soils and moderate to high soil vapor concentration at source areas.

#### **4.4 INDOOR AIR**

Indoor air was collected from within the basement of the Labonte property to the east of the Christy's property. These results are summarized in Table 4. The reported results were compared to the multiple contaminant indoor air targets directly, with no additional multiplier applied to the guidelines.

Tetrachloroethylene (5.90 ug/m<sup>3</sup>), trichloroethylene (3.38 ug/m<sup>3</sup>), and 1,2-Dichloroethane (0.744 ug/m<sup>3</sup>) were all detected above their respective indoor air guideline level. These results appear to be attributable to the dry cleaner located upgradient across Prescott Street. An

investigation performed by the MEDEP in 2008 indicated that trichloroethylene was detected within the sample locations within the street. In addition, the subslab location (SSV-03) within this building was reported to have a tetrachloroethylene concentration of 0.978 ug/m<sup>3</sup> and trichloroethylene was reported at a concentration of 2.09 ug/m<sup>3</sup>.

## 5.0 CONCLUSIONS

### 5.1 HYDROGEOLOGIC INFLUENCES ON VAPOR MIGRATION

#### *Soils*

The impermeable till soils (greater than 4-6 feet bgs) likely are precluding the vertical migration for vapor from the two potential source areas:

1. The area immediately downgradient of the pump islands (and likely the islands themselves), and;
2. The area at and immediately downgradient of the USTs.

While the soils are well oxygenated as confirmed by both field and laboratory data, the relatively thin unsaturated zone and the dense clay and till nature of the soils limit the amount of biodegradation. The moderate to high petroleum concentrations in soil vapor in deep samples indicate a source of petroleum remains at the site; site history and ongoing operations indicate soils surrounding the USTs, and to a lesser extent around the pump islands, are the most likely source areas.

#### *Groundwater*

Petroleum concentrations exceeding the MEDEP guidelines were reported at all monitoring wells except for MW-104. Although groundwater is contributing to the migration of the contamination away from the source area (USTs) it does not appear to be contributing to a significant vapor issue off-site due to the impermeable nature of the soils (i.e. clay) between the groundwater and the potential receptors.

### 5.2 PETROLEUM DISTRIBUTION AND RELATIONSHIPS BETWEEN MEDIA

For SV-102, SV-103, and SV-105 a factor of soil vapor vertical attenuation of target analytes is provided for the September sampling round and only for SV-105 for the December sampling round due to water infiltration into the vapor points.

Based on a review of Table 4, the following observations are made:

- At SV-105/MW-3A ground water (free product) is contributing to vapor concentrations in the deep locations (11' and 18' bgs), however, the dense nature of the till appears to be preventing vapors from becoming a direct issue within the shallowest (4' bgs) location. The occurrence of contaminated soils from eight to twenty feet bgs suggests that the primary source of the petroleum was a release to soil in this area surrounding the USTs. In addition, tetrachloroethylene and trichloroethylene impacts within only the shallower soil vapor locations suggests that a release at the dry cleaner across Prescott Street may be migrating directly beneath the pavement within "clean" fill materials and potentially affecting soil vapors.
- The vertical attenuation of target analytes was measured at SV-102, SV-103, and SV-105 using vapor probes separated vertically by 7 feet (SV-102), 5 feet (SV-103), and in the case of SV-105, three probes were used and spaced 7 feet apart from each other. At SV-102, the C5-C8 aliphatic hydrocarbons vertically attenuated from a concentration of 6200 ug/m<sup>3</sup>

at a depth of 11 feet to a concentration  $16 \text{ ug/m}^3$  at a depth of 4 feet (vertical attenuation factor of  $16/6200 = 0.0026$ ). This convention of calculating the vertical attenuation factor by dividing a shallow concentration by a deeper concentration is maintained in the following bullets. The remainder of the analytes at SV-102 were non-detect in the shallow location yet were detected in the lower probe.

- At SV-103, the vertical attenuation factor for the C5-C8 aliphatic hydrocarbons was 1.19 between the 9 foot and 4 foot depths. All other analytes being reported as non-detect for both upper and lower probe locations.
- SV-105 was the only location with two rounds of multiple locations, in September three probe locations (4, 11, and 18 feet bgs) were sampled, while in December, only two locations (4 and 11 feet bgs) could be sampled due to water intrusion into the lowest probe location. For the September samples, vertical attenuation factors between the eleven foot and foot probes ranged from 0.059 for the C9-C10 aromatic hydrocarbons to 0.351 for o-xylene. Also for the September samples at SV-105, vertical attenuation factors between the eighteen and eleven foot probes ranged from 0.022 for MTBE to 0.255 for the C9-C12 aliphatic hydrocarbons. The more dramatic vertical attenuation however was between the eighteen foot and four foot probes where factors ranged from .003 for benzene to .012 for toluene.
- In December at SV-105, the vertical attenuation factor ranged from .016 for C5-C8 aliphatic hydrocarbons to 0.38 for tetrachloroethylene. All other analytes were non-detect for the shallow (4 foot bgs) location.

### **5.3 PREFERENTIAL PATHWAYS, OFFSITE MIGRATION AND RECEPTORS**

Based on a review of Tables 2 and 3, there do not appear to be preferential pathways linking contaminant source areas with the on-site or off-site buildings.

Offsite transport of impacted groundwater appears likely given the high concentrations of targets and fractions at the downgradient property line and the significant topographic and hydraulic gradient to the southwest.

Current receptors at the site are limited to customers and workers at the store. Abutting potential receptors include residences and/or commercial buildings to the southwest, south and north of the site which are located between 10 and 40 feet from impacted sample locations on the site. The sample of indoor air collected from within the basement of the Labonte property reported had residential indoor air exceedences for tetrachloroethylene, 1,2 DCE, and trichloroethylene. These appear to be due to the upgradient dry cleaner across Prescott Street and not due to the Christy's market property.

### **5.4 CONCEPTUAL SITE MODEL CONFIRMATION AND UPDATE**

Data collected for this VI investigation has allowed updating the Conceptual Model to include two likely preferential pathways in utility backfill as described above. Soil and groundwater contamination at SV-105/MW-3A appears to be the primary source of the observed soil vapor distribution, with some likely contribution from soils at the USTs. The areal extent of the source at SV-105/MW-3A is not known, however, impacted ground water was documented in MW-106 and impacted soil extends to SV-103/MW-103 to the southwest of the property.

## 5.5 DATA GAPS AND RECOMMENDATIONS

Based on substantial soil vapor exceedences of Maine's G-1 soil gas targets (more than 9000x for benzene at SV-105-18), confirming the presence and strength of the suspected sources would provide a better understanding of the risk posed to potential onsite and offsite receptor and the extent of contamination on the site. The following recommendations are offered for consideration:

1. Research the past history of the Site and surrounding properties for potential past usage as an automotive repair facility.
2. Resample the indoor air location to verify the results.
3. Explore the possibility for horizontal migration of tetrachloroethylene and its breakdown components beneath the roadway.

***Tables***

TABLE 2: GROUNDWATER DATA  
7-11, Lewiston  
Groundwater Vapor Intrusion Report

| Method Parameter   | Sample Point | Sample Date | Depth (feet bgs) | MADEP-VPH BENZENE                      | MADEP-VPH BENZENE, 1,4-DIBROMO-2-METHYL FID | MADEP-VPH BENZENE, 1,4-DIBROMO-2-METHYL, PID   | MADEP-VPH C5-C8 ALIPHATIC HYDROCARBONS         | C9-C10 AROMATIC HYDROCARBONS                   | MADEP-VPH C9-C12 ALIPHATIC HYDROCARBONS        | MADEP-VPH ETHYLBENZENE                         | MADEP-VPH M,P-XYLENE                           | MADEP-VPH Methyl-TERT-BUTYL ETHER (MTBE)       | MADEP-VPH NAPHTHALENE                          | MADEP-VPH O-XYLENE                             | MADEP-VPH TOLUENE                              |            |
|--|--------------|-------------|------------------|--|---|--|--|--|--|--|--|--|--|--|--|------------|
|  |              |             |                  | Concentrat Reporting l Qualifier Units | Concentrat Reporting l Qualifier Units      | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         |            |
| MW-101   |              | 9/29/2010   | 14.3             | 8330 100 U/G/L                         | 78 %  | 81 %   | 23100 2500 U/G/L                               | 6200 500 U/G/L                                 | 12500 2500 U/G/L                               | 2860 100 U/G/L                                 | 8690 200 U/G/L                                 | 957 100 U/G/L                                  | 357 100 U/G/L                                  | 3340 100 U/G/L                                 | 12000 100 U/G/L                                |            |
| MW-101   |              | 12/21/2010  | 12.8             | 8790 100 U/G/L                         | 89 %  | 91 %   | 2500 U/G/L                                     | 2500 U/G/L                                     | 2580 100 U/G/L                                 | 8070 200 U/G/L                                 | 405 100 U/G/L                                  | 492 100 U/G/L                                  | 3480 100 U/G/L                                 | 11500 100 U/G/L                                |  |            |
| MW-102   |              | 9/29/2010   | 14.5             | 392 100 U/G/L                          | 80 %  | 83 %   | 7640 2500 U/G/L                                | 4630 500 U/G/L                                 | 7240 2500 U/G/L                                | 1600 100 U/G/L                                 | 4350 200 U/G/L                                 | 273 100 U/G/L                                  | 1210 100 U/G/L                                 | 878 100 U/G/L                                  | 878 100 U/G/L                                  |            |
| MW-102   |              | 12/21/2010  | 12.9             | 220 20 U/G/L                           | 99 %  | 93 %   | 2970 500 U/G/L                                 | 3250 100 U/G/L                                 | 1480 20 U/G/L                                  | 4230 40 U/G/L                                  | 49 20 U/G/L                                    | 286 20 U/G/L                                   | 1180 20 U/G/L                                  | 430 20 U/G/L                                   | 430 20 U/G/L                                   |            |
| MW-103   |              | 9/29/2010   | 14.3             | 276 40 U/G/L                           | 87 %  | 93 %   | 6550 1000 U/G/L                                | 4990 200 U/G/L                                 | 6180 1000 U/G/L                                | 1350 40 U/G/L                                  | 3510 80 U/G/L                                  | 158 40 U/G/L                                   | 305 40 U/G/L                                   | 822 40 U/G/L                                   | 408 40 U/G/L                                   |            |
| MW-103   |              | 12/21/2010  | 12.98            | 6 10 J U/G/L                           | 97 %  | 100 %  | 582 250 U/G/L                                  | 471 50 U/G/L                                   | 250 U/G/L                                      | 179 10 U/G/L                                   | 219 20 U/G/L                                   | 166 10 U/G/L                                   | 41 10 U/G/L                                    | 19 10 U/G/L                                    | 10 U/G/L                                       |            |
| MW-104   |              | 12/21/2010  | 22               | 2 U U/G/L                              | 91 %  | 93 %   | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 4 U U/G/L                                      | 20 U U/G/L                                     | 2 U U/G/L                                      | 10 U U/G/L                                     | 2 U U/G/L                                      | 2 U U/G/L                                      |            |
| MW-105   |              | 9/29/2010   | 11.5             | 9 10 J U/G/L                           | 86 %  | 89 %   | 2200 250 U/G/L                                 | 847 50 U/G/L                                   | 783 250 U/G/L                                  | 49 10 U/G/L                                    | 50 10 U/G/L                                    | 50 10 U/G/L                                    | 10 U U/G/L                                     | 10 U U/G/L                                     | 10 U U/G/L                                     |            |
| MW-106   |              | 12/21/2010  | 9.8              | 8 4 U/G/L                              | 118 %                                       | 113 %  | 784 100 U/G/L                                  | 489 20 U/G/L                                   | 20900 1000 U/G/L                               | 2330 200 U/G/L                                 | 22500 400 U/G/L                                | 61 4 U/G/L                                     | 61 4 U/G/L                                     | 4 U U/G/L                                      | 4 J U/G/L                                      |            |
| MW-3A  |              | 12/21/2010  | 20               | 14400 200 U/G/L                        | 83 %  | 84 %   | 5000 U U/G/L                                   | 3000 U U/G/L                                   | 700 5000 U/G/L                                 | 700 5000 U/G/L                                 | 20000 20000 U/G/L                              | 35 50000 U/G/L                                 | 10 10000 U/G/L                                 | 10 10000 U/G/L                                 | 600 50000 U/G/L                                |            |
| CURRENT MAXIMUM EXPOSURE GUIDELINE MASSACHUSETTS GROUNDWATER STANDARD (GW-2) |              |             |                  | 4 2000 U/G/L PPB                       |   |  |  | 300 3000 U/G/L PPB                             | 200 7000 U/G/L PPB                             | 700 5000 U/G/L PPB                             | 30 20000 U/G/L PPB                             | 35 50000 U/G/L PPB                             | 10 10000 U/G/L PPB                             |  | 600 50000 U/G/L PPB                            |            |
| Method Parameter   | Sample Point | Sample Date | Depth (feet bgs) | MADEP-VPH UNADJUSTED C5-C8 ALIPHATICS  | MADEP-VPH UNADJUSTED C9-C12 ALIPHATICS      | SW8260B Concentrat Reporting l Qualifier Units |            |
|  |              |             |                  | Concentrat Reporting l Qualifier Units | Concentrat Reporting l Qualifier Units      | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         |            |
| MW-101   |              | 9/29/2010   | 14.3             | 44400 2500 U/G/L                       | 33600 2500 U/G/L                            | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 95 5 U U/G/L                                   | 95 5 U U/G/L                                   |            |
| MW-101   |              | 12/21/2010  | 12.8             | 17600 2500 U/G/L                       | 6910 2500 U/G/L                             | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 93 5 U U/G/L                                   | 93 5 U U/G/L                                   |            |
| MW-102   |              | 9/29/2010   | 14.5             | 8910 2500 U/G/L                        | 19000 2500 U/G/L                            | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 93 5 U U/G/L                                   | 93 5 U U/G/L                                   |            |
| MW-102   |              | 12/21/2010  | 12.9             | 3670 500 U/G/L                         | 3540 500 U/G/L                              | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 93 5 U U/G/L                                   | 93 5 U U/G/L                                   |            |
| MW-103   |              | 9/29/2010   | 14.3             | 7400 1000 U/G/L                        | 16900 1000 U/G/L                            | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 93 1 U U/G/L                                   | 93 1 U U/G/L                                   |            |
| MW-103   |              | 12/21/2010  | 12.98            | 754 250 U/G/L                          | 340 250 U/G/L                               | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 93 1 U U/G/L                                   | 93 1 U U/G/L                                   |            |
| MW-104   |              | 12/21/2010  | 22               | 2260 250 U/G/L                         | 1680 250 U/G/L                              | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 1 U U/G/L                                      | 96 1 U U/G/L                                   | 96 1 U U/G/L                                   |            |
| MW-106   |              | 9/29/2010   | 11.5             | 856 100 U/G/L                          | 248 100 U/G/L                               | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 93 1 U U/G/L                                   | 93 1 U U/G/L                                   |            |
| MW-106   |              | 12/21/2010  | 9.8              | 50200 5000 U/G/L                       | 20600 5000 U/G/L                            | 10000 4000 U/G/L PPB                           | 2 9 U/G/L PPB                                  | 6 900 U/G/L PPB                                | 60 1000 U/G/L PPB                              | 40 80 U/G/L PPB                                | 200 2000 U/G/L PPB                             | 4 5 U/G/L PPB                                  | 10 3 U/G/L PPB                                 | 1 2000 U/G/L PPB                               | 1 2000 U/G/L PPB                               |            |
| CURRENT MAXIMUM EXPOSURE GUIDELINE MASSACHUSETTS GROUNDWATER STANDARD (GW-2) |              |             |                  | 70 200 U/G/L PPB                       |   |  |  | 6 6 U/G/L PPB                                  | 40 700 U/G/L PPB                               | 10 7 U/G/L PPB                                 | 5 2 U/G/L PPB                                  | 100 200 U/G/L PPB                              | 70 50 U/G/L PPB                                |  | 70 100 U/G/L PPB                               |            |
| Method Parameter   | Sample Point | Sample Date | Depth (feet bgs) | SW8260B 1,4-DICHLOROBENZENE            | SW8260B 4-BROMOFLUOROBENZENE                | SW8260B BROMODICHLOROMETHANE                   | SW8260B BROMOFORM                              | SW8260B BROMOMETHANE                           | SW8260B CARBON TETRACHLORIDE                   | SW8260B CHLOROBENZENE                          | SW8260B CHLOROETHANE                           | SW8260B CHLOROFORM                             | SW8260B CHLOROMETHANE                          | SW8260B CIS 1,3-DICHLOROPROPENE                | SW8260B CIS-1,2-DICHLOROETHENE                 |            |
|  |              |             |                  | Concentrat Reporting l Qualifier Units | Concentrat Reporting l Qualifier Units      | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         | Concentrat Reporting l Qualifier Units         |            |
| MW-101   |              | 9/29/2010   | 14.3             | 5 U U/G/L                              | 89 %  | 5 U U/G/L                                      | 5 U U/G/L                                      | 10 U U/G/L                                     | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L  |
| MW-101   |              | 12/21/2010  | 12.8             | 5 U U/G/L                              | 91 %  | 5 U U/G/L                                      | 5 U U/G/L                                      | 10 U U/G/L                                     | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L                                      | 5 U U/G/L  |
| MW-102   |              | 9/29/2010   | 14.5             | 5 U U/G/L                              | 98 %  | 1 U U/G/L                                      | 1 U U/G/L                                      | 2 U U/G/L                                      | 1 U U/G/L                                      | 1.4 1 U U/G/L                                  | 0.5 1 J U/G/L                                  |            |
| MW-102   |              | 12/21/2010  | 12.9             | 5 U U/G/L                              | 100 %                                       | 1 U U/G/L                                      | 1 U U/G/L                                      | 2 U U/G/L                                      | 1 U U/G/L  |
| MW-103   |              | 9/29/2010   | 14.3             | 1 U U/G/L                              | 98 %  | 1 U U/G/L                                      | 1 U U/G/L                                      | 2 U U/G/L                                      | 1 U U/G/L  |
| MW-104   |              | 12/21/2010  | 22               | 50 U U/G/L                             | 100 %                                       | 50 U U/G/L                                     | 50 U U/G/L                                     | 100 U U/G/L                                    | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L |
| MW-106   |              | 9/29/2010   | 11.5             | 50 U U/G/L                             | 100 %                                       | 50 U U/G/L                                     | 50 U U/G/L |
| MW-3A  |              | 12/21/2010  | 9.8              | 50 U U/G/L                             | 93 %  | 50 U U/G/L                                     | 50 U U/G/L                                     | 100 U U/G/L                                    | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L                                     | 50 U U/G/L |
| CURRENT MAXIMUM EXPOSURE GUIDELINE MASSACHUSETTS GROUNDWATER STANDARD (GW-2) |              |             |                  | 70 200 U/G/L PPB                       |   |  |  | 6 6 U/G/L PPB                                  | 40 700 U/G/L PPB                               | 10 7 U/G/L PPB                                 | 5 2 U/G/L PPB                                  | 100 200 U/G/L PPB                              | 70 50 U/G/L PPB                                |  | 70 100 U/G/L PPB                               |            |
| Method   |              |             |                  |  |   |  |  |  |  |  |  |  |  |  |  |            |



**TABLE 3: SOIL SAMPLES SUMMARY TABLE  
7-11, LEWISTON, MAINE**

| Method  | Parameter | Sample Point | Sample Date | Depth        | MADEP-VPH<br>BENZENE<br>Concentrat Reporting   Qualifier                        | Units | MADEP-VPH<br>BENZENE, 1,4-DIBROMO-2-METHYL, FID<br>Concentrat Reporting   Qualifier | Units  | MADEP-VPH<br>BENZENE, 1,4-DIBROMO-2-METHYL, PID<br>Concentrat Reporting   Qualifier | Units | MADEP-VPH<br>C5-C8 ALIPHATIC HYDROCARBONS<br>Concentrat Reporting   Qualifier | Units      |            |  |
|---|-----------|--------------|-------------|--------------|---|-------|---|--------|---|-------|---|------------|------------|--|
| SV-103  |           |              | 9/29/2010   | 16 to 20 FMP | 133   | 150 J | UG/KG   | 110    | %   | 110   | %   | 61200      | 3800 UG/KG |  |
| SV-105  |           |              | 9/29/2010   | 8 to 12 FMP  | 170 U   | UG/KG | 120   | %      | 110   | %     | 4350  | 4350 UG/KG |            |  |
| PETROLEUM SOIL REMEDIATION GUIDELINE - EXCAVATION CONSTRUCTION WORKER |           |              |             |              |   |       |   |        |   |       |   | 1.00E+07   | UG/KG      |  |
| PETROLEUM SOIL REMEDIATION GUIDELINE - OUTDOOR COMMERCIAL WORKER      |           |              |             |              |   |       |   |        |   |       |   | 1.00E+07   | UG/KG      |  |
| Method  | Parameter | Sample Point | Sample Date | Depth        | MADEP-VPH<br>C9-C10 AROMATIC HYDROCARBONS<br>Concentrat Reporting   Qualifier   | Units | MADEP-VPH<br>C9-C12 ALIPHATIC HYDROCARBONS<br>Concentrat Reporting   Qualifier      | Units  | MADEP-VPH<br>ETHYLBENZENE<br>Concentrat Reporting   Qualifier                       | Units | MADEP-VPH<br>M,P-XYLENE<br>Concentrat Reporting   Qualifier                   | Units      |            |  |
| SV-103  |           |              | 9/29/2010   | 16 to 20 FMP | 23500   | 760   | UG/KG   | 29500  | 3800  | UG/KG | 1360  | 150        | UG/KG      |  |
| SV-105  |           |              | 9/29/2010   | 8 to 12 FMP  | 3360  | 870   | UG/KG   | 6050   | 4350  | UG/KG | 115   | 170 J      | UG/KG      |  |
| PETROLEUM SOIL REMEDIATION GUIDELINE - EXCAVATION CONSTRUCTION WORKER |           |              |             |              |   |       |   |        |   |       |   | 1930       | 300 UG/KG  |  |
| PETROLEUM SOIL REMEDIATION GUIDELINE - OUTDOOR COMMERCIAL WORKER      |           |              |             |              |   |       |   |        |   |       |   | 350        | UG/KG      |  |
| Method  | Parameter | Sample Point | Sample Date | Depth        | MADEP-VPH<br>METHYL-TERT-BUTYL ETHER (MTBE)<br>Concentrat Reporting   Qualifier | Units | MADEP-VPH<br>NAPHTHALENE<br>Concentrat Reporting   Qualifier                        | Units  | MADEP-VPH<br>O-XYLENE<br>Concentrat Reporting   Qualifier                           | Units |   |            |            |  |
| SV-103  |           |              | 9/29/2010   | 16 to 20 FMP | 272   | 150   | UG/KG   | 391    | 150   | UG/KG | 155   | 150        | UG/KG      |  |
| SV-105  |           |              | 9/29/2010   | 8 to 12 FMP  | 141   | 170 J | UG/KG   | 220    | 170   | UG/KG | 170 U   | 170 U      | UG/KG      |  |
| PETROLEUM SOIL REMEDIATION GUIDELINE - EXCAVATION CONSTRUCTION WORKER |           |              |             |              |   |       |   |        |   |       |   |            |            |  |
| PETROLEUM SOIL REMEDIATION GUIDELINE - OUTDOOR COMMERCIAL WORKER      |           |              |             |              |   |       |   |        |   |       |   |            |            |  |
| Method  | Parameter | Sample Point | Sample Date | Depth        | MADEP-VPH<br>TOLUENE<br>Concentrat Reporting   Qualifier                        | Units | MADEP-VPH<br>UNADJUSTED C5-C8 ALIPHATICS<br>Concentrat Reporting   Qualifier        | Units  | MADEP-VPH<br>UNADJUSTED C9-C12 ALIPHATICS<br>Concentrat Reporting   Qualifier       | Units |   |            |            |  |
| SV-103  |           |              | 9/29/2010   | 16 to 20 FMP | 126   | 150 J | UG/KG   | 61800  | 3800  | UG/KG | 56500   | 3800       | UG/KG      |  |
| SV-105  |           |              | 9/29/2010   | 8 to 12 FMP  | 170 U   | UG/KG | 4350  | 4350 U | UG/KG   | 9520  | 4350  | UG/KG      |            |  |
| PETROLEUM SOIL REMEDIATION GUIDELINE - EXCAVATION CONSTRUCTION WORKER |           |              |             |              |   |       |   |        |   |       |   |            |            |  |
| PETROLEUM SOIL REMEDIATION GUIDELINE - OUTDOOR COMMERCIAL WORKER      |           |              |             |              |   |       |   |        |   |       |   |            |            |  |



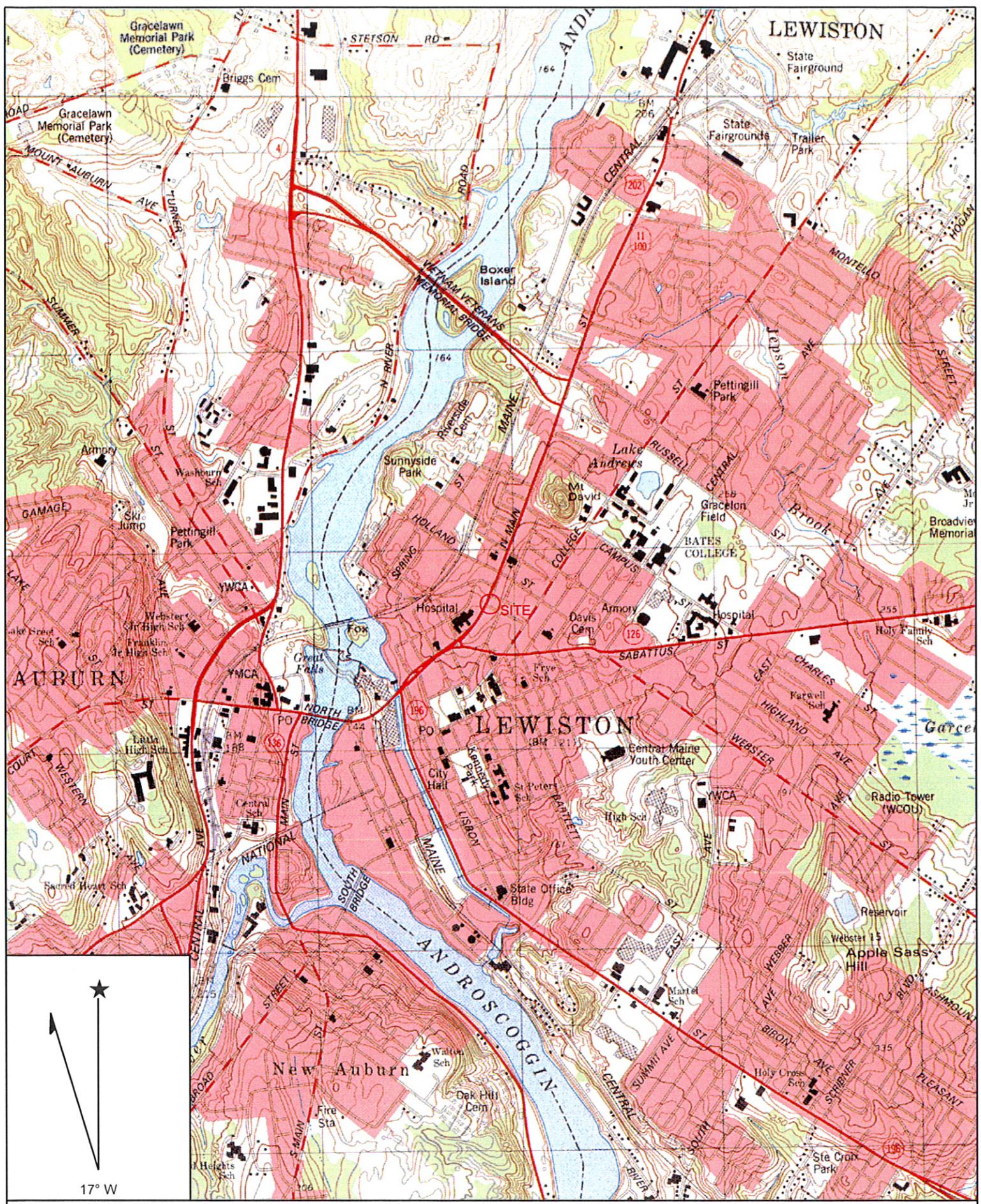
**Table 4: Soil Gas and Indoor Air Detections Summary**  
**7-11, Lewiston, Maine**

| Method Parameter  | Sample Point | Sample Date         | Depth      | EPA METHOD 3C CARBON DIOXIDE Concentrati Reporting L Qualifier Units           | EPA METHOD 3C METHANE Concentrati Reporting L Qualifier Units                   | EPA METHOD 3C OXYGEN GAS Concentrati Reporting L Qualifier Units | FIELD CARBON DIOXIDE Concentrati Reporting Li Qualifier Units | FIELD METHANE Concentrati Reporting L Qualifier Units                            | FIELD OXYGEN GAS Concentrati Reporting L Qualifier Units      | PID SOIL GAS SCREEN Concentrati Reporting L Qualifier Units  | MADEP-APH 1,3-BUTADIENE Concentrati Reporting L Qualifier Units | MADEP-APH BENZENE Concentrati Reporting L Qualifier Units          | MADEP-APH C5-C8 ALIPHATIC HYDROCARBONS Concentrati Reporting L Qualifier Units |                             |
|---|--------------|---------------------|------------|--|---|--|---|--|---|--|---|--|--|-----------------------------|
| LAB DUPLICATE   |              | 9/29/2010           |            | 0.716 0.146 D 1.25 0.139 D % %   | 0.2 U 0.139 U % %   | 12.6 4.6 D 19.1 1.98 D % %                                       | 0.000001 U 1.04 1.12 % %                                      | 20.8 0.00001 U 0.00001 U % %   | 0.00005 19.7 18.6 % %   | 2 U 2 U % %  | 2 U 2 U % %   | 2 U 2 U % %  | 22 12 16 12 % % %  |                             |
| SV-102  |              | 9/29/2010 12:48 PM  | 4 FT       |  |   |  |   |  |   |  |   |  |  |                             |
| SV-102  |              | 9/29/2010 12:50 PM  | 11 FT      |  |   |  |   |  |   |  |   |  |  |                             |
| SV-102  |              | 9/29/2010 12:57 PM  | 4 FT       | 1.23 0.146 D %   | 0.146 U %   | 17.8 1.46 D %  | 0.96 %  | 0.00001 U 0.00001 U % %  | 19.9 %  | 0.00021 %  | 2 U 6.6 U 2 U % % %   | 2 U 6.6 D 2 U % % %  | 16 40 D 12 U % % %   |                             |
| SV-102  |              | 9/29/2010 12:57 PM  | 11 FT      | 3.24 0.46 D %  | 0.46 U %  | 12.4 4.6 D %   | 1.12 %  |  |   |  |   |  |  |                             |
| SV-102  |              | 12/21/2010 9:56 AM  | 4 FT       | 0.446 0.175 D %  | 0.175 U %   | 19.2 1.75 D %  | 0.51 %  | 0.00001 U %  | 20.4 %  | 0  |   |  |  |                             |
| SV-103  |              | 9/29/2010           |            |  |   |  |   |  |   |  |   |  |  |                             |
| SV-103  |              | 9/29/2010 12:17 PM  | 4 FT       |  |   |  |   |  |   |  |   |  |  |                             |
| SV-103  |              | 9/29/2010 12:21 PM  | 9 FT       | 0.22 0.145 D %   | 0.145 U %   | 19.4 1.45 D %  | 0.71 %  | 0.00001 U %  | 20.1 %  |  |   |  |  |                             |
| SV-103  |              | 9/29/2010 12:40 PM  | 4 FT       | 1.49 0.152 D %   | 0.152 U %   | 18 1.52 D %  | 1.84 %  | 0.00001 U %  | 19 %  |  |   |  |  |                             |
| SV-103  |              | 9/29/2010 12:57 PM  | 9 FT       | 0.373 0.156 D %  | 0.156 U %   | 19.3 1.56 D %  | 0.43 %  | 0.00001 U %  | 20.8 %  |  |   |  |  |                             |
| SV-105  |              | 9/29/2010           |            |  |   |  |   |  |   |  |   |  |  |                             |
| SV-105  |              | 9/29/2010           |            |  |   |  |   |  |   |  |   |  |  |                             |
| SV-105  |              | 9/29/2010 12:22 PM  | 4 FT       |  |   |  |   |  |   |  |   |  |  |                             |
| SV-105  |              | 9/29/2010 12:38 PM  | 11 FT      |  |   |  |   |  |   |  |   |  |  |                             |
| SV-105  |              | 9/29/2010 12:57 PM  | 11 FT      | 1.91 0.218 D %   | 0.218 U %   | 14.4 2.18 D %  | 1.98 %  | 0.00001 U %  | 18.1 %  | 0.0005 %   | 14 2 440 2 E % % %  | 34000 12 % % %   |  |                             |
| SV-105  |              | 9/29/2010 12:57 PM  | 11 FT      | 2.82 0.2 D %   | 0.202 U %   | 14.1 2 D %   | 2.95 %  | 0.00001 U %  | 17.8 %  | 0.00958 %  | 28 U 30 D % % %   | 150000 170 % % %   |  |                             |
| SV-105  |              | 9/29/2010 12:57 PM  | 18 FT      | 2.18 0.141 D %   | 0.141 U %   | 14.8 1.41 D %  | 2.6 %   |  |   |  | 580 U 1200 D % % %  | 300000 3500 D % % %  |  |                             |
| SV-105  |              | 12/21/2010 11:11 AM | 4 FT       | 0.739 0.146 D %  | 0.146 U %   | 19 1.46 D %  | 0.99 %  | 0.00001 U %  | 20.1 %  | 0  | 2 U 20 U % % %  | 35 12 % % %  |  |                             |
| SV-105  |              | 12/21/2010 11:40 AM | 11 FT      | 1.27 0.145 D %   | 0.145 U %   | 18.5 1.45 D %  | 1.54 %  | 0.00001 U %  | 20.1 %  | 0.3  | 20 U 1100 20 D % % %  | 2000 120 D % % %   |  |                             |
| SV-105  |              | 12/21/2010 11:46 AM | 11 FT      | 1.24 0.139 D %   | 0.139 U %   | 17.4 1.39 D %  | 1.54 %  | 0.00001 U %  | 20.1 %  | 0.3  | 20 U 1500 20 D % % %  | 2200 120 D % % %   |  |                             |
| SV-106  |              | 9/29/2010           |            |  |   |  |   |  |   |  |   |  |  |                             |
| SV-106  |              | 9/29/2010 11:16 PM  | 4 FT       |  |   |  |   |  |   |  |   |  |  |                             |
| SV-106  |              | 9/29/2010 11:52 PM  | 4 FT       | 0.514 0.183 D %  | 0.183 U %   | 17.9 1.83 D %  | 0.55 %  | 0.00001 U %  | 20.1 %  |  | 2 U 2 U % % %   | 2 U 2 U % % %  | 12 U % % %   |                             |
| SV-106  |              | 12/21/2010 9:58 AM  | 4 FT       | 0.443 0.156 D %  | 0.156 U %   | 19.2 1.56 D %  | 0.52 %  | 0.00001 U %  | 20.4 %  | 0  | 2 U 2 U % % %   | 2 U 2 U % % %  | 24 12 % % %  |                             |
| SV-107  |              | 12/21/2010 10:38 AM | 3 FT       |  |   |  |   |  |   |  |   |  |  |                             |
| SSV-01  |              | 9/29/2010 11:13     | 0.5 FT     | 0.259 0.16 %   | 0.16 U %  | 17.5 1.6 %   | 0.63 %  |  | 19 %  | 0  | 2 U 2 U % % %   | 2 U 2 U % % %  | 20 12 % % %  |                             |
| SSV-01  |              | 12/21/2010 12:20    | 0.5 FT     | 0.686 0.169 %  | 0.169 U %   | 18.3 1.69 %  | 0.8 %   |  | 19.7 %  |  | 2 U 2 U % % %   | 2 U 2 U % % %  | 36 12 % % %  |                             |
| SSV-02  |              | 9/29/2010 10:53     | 0.5 FT     | 0.714 0.146 %  | 0.146 U %   | 18.2 1.46 %  | 0.75 %  |  | 19.5 %  | 0  | 2 U 2 U % % %   | 2 U 2 U % % %  | 16 12 % % %  |                             |
| SSV-02  |              | 12/21/2010 12:30    | 0.5 FT     | 0.919 0.176 %  | 0.176 U %   | 18.3 1.76 %  | 1.26 %  |  | 19.1 %  | 0  | 2 U 2 U % % %   | 2 U 2 U % % %  | 53 12 % % %  |                             |
| SSV-03  |              | 12/21/2010 10:29    | 0.5 FT     | 0.206 U %  | 0.206 U %   | 18.3 2.06 %  | 0.09 %  | 0.0035 %   | 20.8 %  | 2 U 2 U % % %  | 2 U 2 U % % %   | 100 12 % % %   |  |                             |
| Labonte   |              | 12/21/2010 0:00     | Indoor Air | 0.198 U %  | 0.198 U %   | 19.2 1.98 %  | 0.11 %  | 0.0035 %   | 20.8 %  | 2 U 2 U % % %  | 2 U 2 U % % %   | 26 12 % % %  |  |                             |
| MAINE RESIDENTIAL MULTI-CONTAMINANT CHRONIC SOIL GAS TARGET (G-1) |              |                     |            |  |   |  |   |  |   |  |   |  |  |                             |
| Method Parameter  | Sample Point | Sample Date         | Depth      | MADEP-APH C9-C10 AROMATIC HYDROCARBONS Concentrati Reporting L Qualifier Units | MADEP-APH C9-C12 ALIPHATIC HYDROCARBONS Concentrati Reporting L Qualifier Units | MADEP-APH ETHYLBENZENE Concentrati Reporting L Qualifier Units   | MADEP-APH M-P-XYLENE Concentrati Reporting L Qualifier Units  | MADEP-APH METHYL-TERT-BUTYL ETHER (MTBE) Concentrati Reporting L Qualifier Units | MADEP-APH NAPHTHALENE Concentrati Reporting L Qualifier Units | MADEP-APH O-XYLELENE Concentrati Reporting L Qualifier Units | MADEP-APH TOLUENE Concentrati Reporting L Qualifier Units       | TO15 1,1,1-TRICHLOROETHANE Concentrati Reporting L Qualifier Units | TO15 1,1-DICHLOROETHANE Concentrati Reporting L Qualifier Units                |                             |
| LAB DUPLICATE   |              | 9/29/2010           |            | 10 U 10 U UG/M3 UG/M3  | 14 U 14 U UG/M3 UG/M3   | 2 U 2 U UG/M3 UG/M3  | 4 U 4 U UG/M3 UG/M3   | 2 U 2 U UG/M3 UG/M3  | 2 U 2 U UG/M3 UG/M3   | 2 U 2 U UG/M3 UG/M3  | 2 U 2 U UG/M3 UG/M3   | 0.2 U 0.2 U UG/M3 UG/M3  | 0.2 U 0.2 U UG/M3 UG/M3  |                             |
| SV-102  |              | 9/29/2010 12:04 PM  | 4 FT       |  |   |  |   |  |   |  |   |  |  |                             |
| SV-102  |              | 9/29/2010 12:54 PM  | 11 FT      |  |   |  |   |  |   |  |   |  |  |                             |
| SV-102  |              | 9/29/2010 12:57 PM  | 4 FT       | 250 10 U UG/M3 UG/M3   | 14 U 14 U UG/M3 UG/M3   | 12 6.6 D 6.6 D UG/M3 UG/M3                                       | 25 4 U 4 U UG/M3 UG/M3  | 790 6.6 D 2 U UG/M3 UG/M3  | 9 6.6 D 2 U UG/M3 UG/M3                                       | 33 6.6 D 2 U UG/M3 UG/M3                                     | 33 6.6 D 2 U UG/M3 UG/M3  | 109 U 109 U UG/M3 UG/M3  | 146 U 146 U UG/M3 UG/M3  | 0.809 U 0.809 U UG/M3 UG/M3 |
| SV-102  |              | 9/29/2010 12:57 PM  | 11 FT      | 12/21/2010 9:56 AM 4 FT  | 10 U UG/M3 UG/M3  | 14 U UG/M3 UG/M3   | 2 U UG/M3 UG/M3   | 4 U UG/M3 UG/M3  | 2 U UG/M3 UG/M3   | 2 U UG/M3 UG/M3  | 2 U UG/M3 UG/M3   | 109 U 109 U UG/M3 UG/M3  | 146 U 146 U UG/M3 UG/M3  | 0.809 U 0.809 U UG/M3 UG/M3 |
| SV-103  |              | 9/29/2010           |            |  |   |  |   |  |   |  |   |  |  |                             |
| SV-103  |              | 9/29/2010 12:17 PM  | 4 FT       |  |   |  |   |  |   |  |   |  |  |                             |
| SV-103  |              | 9/29/2010 12:21 PM  | 9 FT       | 10 U 10 U UG/M3 UG/M3  | 14 U 14 U UG/M3 UG/M3   | 2 U 2 U UG/M3 UG/M3  | 4 U 4 U UG/M3 UG/M3   | 2 U 2 U UG/M3 UG/M3  | 2 U 2 U UG/M3 UG/M3   | 2 U 2 U UG/M3 UG/M3  | 2 U 2 U UG/M3 UG/M3   | 109 U 109 U UG/M3 UG/M3  | 146 U 146 U UG/M3 UG/M3  | 0.809 U 0.809 U UG/M3 UG/M3 |
| SV-103  |              | 9/29/2010 12:40 PM  | 4 FT       | 10 U 10 U UG/M3 UG/M3  | 14 U 14 U UG/M3 UG/M3   | 2 U 2 U UG/M3 UG/M3  | 4 U 4 U UG/M3 UG/M3   | 2 U 2 U UG/M3 UG/M3  | 2 U 2 U UG/M3 UG/M3   | 2 U 2 U UG/M3 UG/M3  | 2 U 2 U UG/M3 UG/M3   | 109 U 109 U UG/M3 UG/M3  | 146 U 146 U UG/M3 UG/M3  | 0.809 U 0.809 U UG/M3 UG/M3 |
| SV-103  |              | 9/29/2010 12:57 PM  | 9 FT       | 12/21/2010 9:56 AM 4 FT  | 10 U UG/M3 UG/M3  | 14 U UG/M3 UG/M3   | 2 U UG/M3 UG/M3   | 4 U UG/M3 UG/M3  | 2 U UG/M3 UG/M3   | 2 U UG/M3 UG/M3  | 2 U UG/M3 UG/M3   | 109 U 109 U UG/M3 UG/M3  | 146 U 146 U UG/M3 UG/M3  | 0.809 U 0.809 U UG/M3 UG/M3 |
| SV-105  |              | 9/29/2010           |            |  |   |  |   |  |   |  |   |  |  |                             |
| SV-105  |              | 9/29/2010 12:22 PM  | 4 FT       |  |   |  |   |  |   |  |   |  |  |                             |
| SV-105  |              | 9/29/2010 12:45 PM  | 18 FT      | 5  |   |  |   |  |   |  |   |  |  |                             |

## *Figures*

***Figure 1***

**Site Location Map**



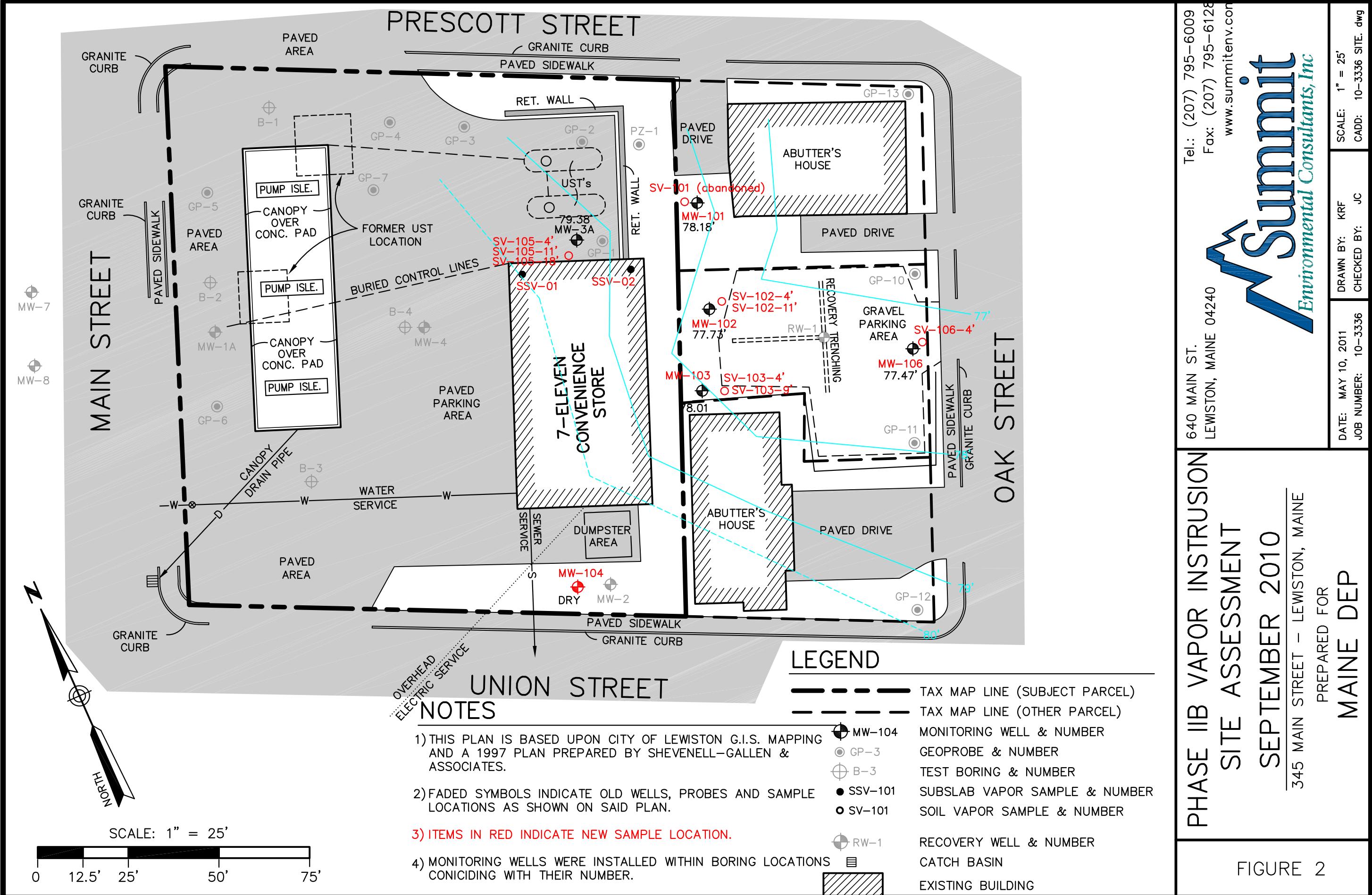
Name: LEWISTON  
 Date: 9/23/2010  
 Scale: 1 inch equals 2000 feet

Location: 044° 06' 07.8" N 070° 12' 48.2" W  
 Caption: Figure 1: Site Location  
 Christie's Lewiston  
 Lewiston, Maine

***Figure 2***

**Sample Location Map**

**September 2010**



***Figure 3***

**Sample Location Map**

**December 2010**

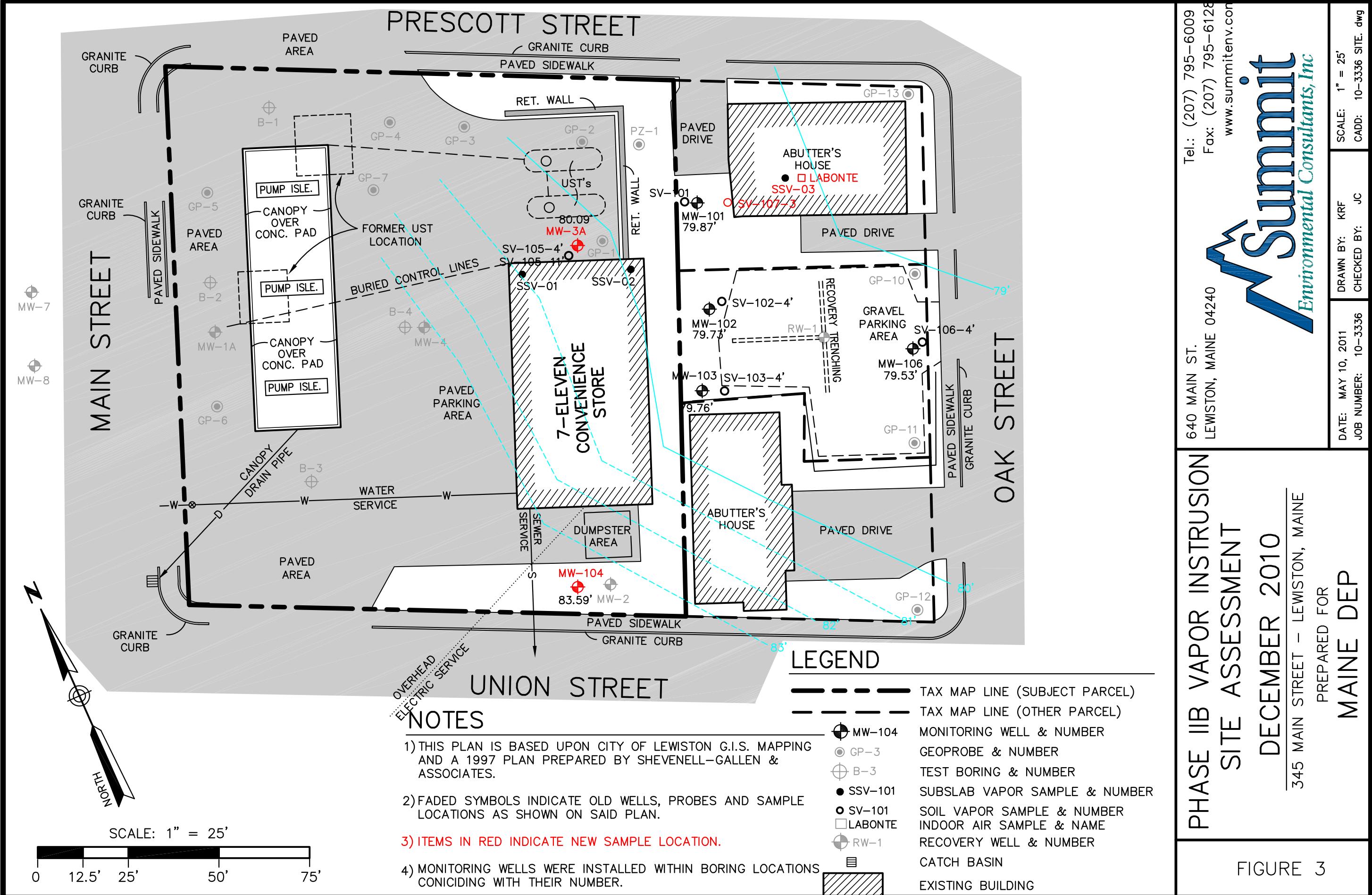


FIGURE 3

## *Appendices*

## ***Appendix A***

### **Boring Logs and Monitoring Well Installation Log**

| SUMMIT  |                |              |               | SOIL BORING LOG  |        |  |                       | Boring #:                 | MW-101 |
|---|----------------|--------------|---------------|--|--------|--|-----------------------|---------------------------|--------|
| ENVIRONMENTAL CONSULTANTS, INC.<br>640 Main Street<br>Lewiston, Maine 04240 |                |              |               | Project: 7-Eleven<br>Location: Lewiston, ME                    |        |  |                       | Project #: 10-3276        |        |
|   |                |              |               |  |        |  |                       | Sheet: 1 of 1             |        |
|   |                |              |               |  |        |  |                       | Chkd by:                  |        |
| Drilling Co: EPI  |                |              |               | Boring Location: Oak Street                                    |        |  |                       |                           |        |
| Personnel: Dionne and Talon   |                |              |               | Elevation:   |        |  |                       |                           |        |
| Summit Staff: Deyling/Cressey   |                |              |               | Date started: 9/29/2010 Date Completed: 9/29/2010              |        |  |                       |                           |        |
| DRILLING METHOD   |                | SAMPLER      |               | ESTIMATED GROUND WATER DEPTH                                   |        |  |                       |                           |        |
| Vehicle:  | Geoprobe       | Type:        |               | Date   | Depth  | Reference  | Groundwater Elevation |                           |        |
| Model:  | 660 DT         | Hammer:      |               | 9/29/2010  | 14.4   | TOC  |                       |                           |        |
| Method:   | Direct Push    | Fall:        |               |  |        |  |                       |                           |        |
| Depth<br>(ft.)  | No.            | Pen/Rec (in) | Depth (ft)    | SAMPLE<br>DESCRIPTION  |        |  | Stratum               | Field<br>Screening (ppmv) |        |
|   |                |              |               | Blows/6 in.  |        |  |                       |                           |        |
| 2   | 48/32          | 0-4          |               | Top soil 2"<br>CLAY, gray, silty, wood, brick fragments (fill) |        |  |                       |                           |        |
|   |                |              |               |  |        |  |                       |                           |        |
| 4   | 48/48          | 4-8          |               | SILT and CLAY, olive, stiff, dry                               |        |  |                       |                           |        |
|   |                |              |               |  |        |  |                       |                           |        |
| 6   | 48/48          | 8-12         |               | CLAY, olive, soft, little SILT                                 |        |  |                       |                           |        |
|   |                |              |               |  |        |  |                       |                           |        |
| 8   | 48/48          | 12-16        |               | CLAY, olive, soft, little to some SILT, moist                  |        |  |                       |                           |        |
|   |                |              |               |  |        |  |                       |                           |        |
| 10  | 48/48          | 16-20        |               | SILT and CLAY, olive, soft, sand seams, moist                  |        |  |                       |                           |        |
|   |                |              |               |  |        |  |                       |                           |        |
| 12  | 48/48          | 20-24        |               | SAND, fine, brown to gray, petroleum odor, wet                 |        |  |                       |                           |        |
|   |                |              |               |  |        |  |                       |                           |        |
| 14  | 48/48          | 24-28        |               | Boring ceased at 20' bgs                                       |        |  |                       |                           |        |
|   |                |              |               |  |        |  |                       |                           |        |
| 16  | 48/48          | 28-32        |               | Boring ceased at 20' bgs                                       |        |  |                       |                           |        |
|   |                |              |               |  |        |  |                       |                           |        |
| 18  | 48/48          | 32-36        |               | Boring ceased at 20' bgs                                       |        |  |                       |                           |        |
|   |                |              |               |  |        |  |                       |                           |        |
| 20  | 48/48          | 36-40        |               | Boring ceased at 20' bgs                                       |        |  |                       |                           |        |
|   |                |              |               |  |        |  |                       |                           |        |
| Granular Soils  | Cohesive Soils |              | % Composition | NOTES:   |        |  |                       |                           |        |
| Blows/ft.   | Density        | Blows/ft.    | Consistency   |  |        |  |                       |                           |        |
| 0-4   | V. Loose       | <2           | V. soft       | <5%  | trace  | 1. Soils screened with a MiniRae 3000 PID.                                   |                       |                           |        |
| 4-10  | Loose          | 2-4          | Soft          | 5-15   | little | 2. Monitoring well installed at 20' bgs with 10' of screen and 10' of riser. |                       |                           |        |
| 10-30   | Compact        | 4-8          | Firm          | 15-25  | some   |  |                       |                           |        |
| 30-50   | Dense          | 8-15         | Stiff         | >25  | and    |  |                       |                           |        |
| >50   | V. Dense       | 15-30        | V. Stiff      |  |        |  |                       |                           |        |
|   |                | >30          | Hard          |  |        |  |                       |                           |        |

| SUMMIT  |             |                             |             | SOIL BORING LOG                             |   |  |                       | Boring #:  | MW-102                    |
|---|-------------|-----------------------------|-------------|---|---|--|-----------------------|------------|---------------------------|
| ENVIRONMENTAL CONSULTANTS, INC.<br>640 Main Street<br>Lewiston, Maine 04240 |             |                             |             | Project: 7-Eleven<br>Location: Lewiston, ME |   |  |                       | Project #: | 10-3276                   |
|   |             |                             |             |   |   |  |                       | Sheet:     | 1 of 1                    |
|   |             |                             |             |   |   |  |                       | Chkd by:   |                           |
| Drilling Co: EPI  |             | Boring Location: Oak Street |             |   |   |  |                       |            |                           |
| Personnel: Dionne and Talon   |             | Elevation:                  |             |   |   |  |                       |            |                           |
| Summit Staff: Deyling/Cressey   |             | Date started: 9/29/2010     |             | Date Completed: 9/29/2010                   |   |  |                       |            |                           |
| DRILLING METHOD   |             | SAMPLER                     |             | ESTIMATED GROUND WATER DEPTH                |   |  |                       |            |                           |
| Vehicle:  | Geoprobe    | Type:                       |             | Date  | Depth   | Reference  | Groundwater Elevation |            |                           |
| Model:  | 660 DT      | Hammer:                     |             | 9/29/2010                                   | 14.2  | TOC  |                       |            |                           |
| Method:   | Direct Push | Fall:                       |             |   |   |  |                       |            |                           |
| Depth<br>(ft.)  | No.         | Pen/Rec (in)                | Depth (ft)  | Blows/6 in.                                 | SAMPLE<br>DESCRIPTION   |  |                       | Stratum    | Field<br>Screening (ppmv) |
| 2   |             | 48/30                       | 0-4         |   | 2" topsoil<br>SAND and GRAVEL, brown, fill                        |  |                       |            | 2<br>0.6<br>19.0          |
|   |             |                             |             |   |   |  |                       |            |                           |
| 4   |             | 48/48                       | 4-8         |   | SILT, firm<br>CLAY, olive, silty, very stiff, few sand seams, dry |  |                       |            | 2.5<br>2.3<br>2.1         |
|   |             |                             |             |   |   |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
| 8   |             | 48/48                       | 8-12        |   | CLAY, olive, silty, very stiff, dry                               |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
| 10  |             | 48/48                       | 12-16       |   | SILT, soft, olive, some sand, sand seams, moist                   |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
| 12  |             | 48/48                       | 16-20       |   | SILT, olive, soft, SAND seams, fine,<br>petroleum odor, wet       |  |                       |            | 3.3<br>3.7<br>3.2         |
|   |             |                             |             |   |   |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
| 16  |             | 48/48                       | 20-24       |   | SAND, gray, fine, SILT seams, petroleum odor,<br>wet              |  |                       |            | 14.9<br>25.7<br>24.1      |
|   |             |                             |             |   |   |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
| 20  |             | 48/48                       | 24-28       |   | Boring ceased at 20' bgs  |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
|   |             |                             |             |   |   |  |                       |            |                           |
| Granular Soils  |             | Cohesive Soils              |             | % Composition                               |   | NOTES:   |                       |            |                           |
| Blows/ft.   | Density     | Blows/ft.                   | Consistency |   |   |  |                       |            |                           |
| 0-4   | V. Loose    | <2                          | V. soft     | <5%   | trace   | 1. Soils screened with a MiniRae 3000 PID.                                   |                       |            |                           |
| 4-10  | Loose       | 2-4                         | Soft        | 5-15  | little  | 2. Monitoring well installed at 20' bgs with 10' of screen and 10' of riser. |                       |            |                           |
| 10-30   | Compact     | 4-8                         | Firm        | 15-25                                       | some  |  |                       |            |                           |
| 30-50   | Dense       | 8-15                        | Stiff       | >25   | and   |  |                       |            |                           |
| >50   | V. Dense    | 15-30                       | V. Stiff    |   |   |  |                       |            |                           |
|   |             | >30                         | Hard        |   |   |  |                       |            |                           |

| SUMMIT<br>ENVIRONMENTAL CONSULTANTS, INC.<br>640 Main Street<br>Lewiston, Maine 04240 |                  |              |               | SOIL BORING LOG              |  |                 | Boring #:             | MW-103  |                           |
|---|------------------|--------------|---------------|------------------------------|--|-----------------|-----------------------|---------|---------------------------|
|   |                  |              |               | Project:                     | 7-Eleven   | Project #:      | 10-3276               |         |                           |
|   |                  |              |               | Location:                    | Lewiston, ME   | Sheet:          | 1 of 1                |         |                           |
|   |                  |              |               |                              |  |                 | Chkd by:              |         |                           |
| Drilling Co:  | EPI              |              |               | Boring Location: Oak Street  |  |                 |                       |         |                           |
| Personnel:  | Dionne and Talon |              |               | Elevation:                   |  |                 |                       |         |                           |
| Summit Staff:   | Deyling/Cressey  |              |               | Date started:                | 9/29/2010  | Date Completed: | 9/29/2010             |         |                           |
| DRILLING METHOD   |                  | SAMPLER      |               | ESTIMATED GROUND WATER DEPTH |  |                 |                       |         |                           |
| Vehicle:  | Geoprobe         | Type:        | 24" SPT       | Date                         | Depth  | Reference       | Groundwater Elevation |         |                           |
| Model:  | 660 DT           | Hammer:      | 140 lb.       | 9/29/2010                    | 14.3   | TOC             |                       |         |                           |
| Method:   | Direct Push      | Fall:        | 30"           |                              |  |                 |                       |         |                           |
| Depth<br>(ft.)  | No.              | Pen/Rec (in) | Depth (ft)    | Blows/6 in.                  | SAMPLE<br>DESCRIPTION  |                 |                       | Stratum | Field<br>Screening (ppmv) |
| 2   |                  | 48/20        | 0-4           |                              | SAND and GRAVEL, brown, fill, SILT, gray,                                    |                 |                       |         | 7<br>41.0<br>7.6          |
| 4   |                  | 48/34        | 4-8           |                              | SAND, brown, fine, moist   |                 |                       |         | 5.8<br>7.6<br>7.6         |
| 6   |                  |              |               |                              | CLAY, olive, silty, firm, dry  |                 |                       |         |                           |
| 8   |                  | 48/48        | 8-12          |                              | SILT, olive, some CLAY, trace SAND, fine, firm, dry                          |                 |                       |         | 10.6<br>6.5<br>6.5        |
| 10  |                  |              |               |                              |  |                 |                       |         |                           |
| 12  |                  | 48/48        | 12-16         |                              | SILT and CLAY, olive, stiff  |                 |                       |         | 9.7<br>8.6<br>8.5         |
| 14  |                  |              |               |                              | CLAY, olive, silty, medium soft,   |                 |                       |         |                           |
| 16  |                  | 48/48        | 16-20         |                              | Same as above with SAND seams, fine, olive                                   |                 |                       |         |                           |
| 18  |                  |              |               |                              | SAND, fine, olive to gray, some SILT, petroleum odor, slight sheen, wet      |                 |                       |         | 33.6<br>41.0<br>78.0      |
| 20  |                  |              |               |                              | Boring ceased at 20' bgs   |                 |                       |         |                           |
| Granular Soils  | Cohesive Soils   |              | % Composition |                              | NOTES:   |                 |                       |         |                           |
| Blows/ft.   | Density          | Blows/ft.    | Consistency   |                              |  |                 |                       |         |                           |
| 0-4   | V. Loose         | <2           | V. soft       | <5%                          | 1. Soils screened with a MiniRae 3000 PID.                                   |                 |                       |         |                           |
| 4-10  | Loose            | 2-4          | Soft          | trace                        | 2. Monitoring well installed at 20' bgs with 10' of screen and 10' of riser. |                 |                       |         |                           |
| 10-30   | Compact          | 4-8          | Firm          | 5-15                         |  |                 |                       |         |                           |
| 30-50   | Dense            | 8-15         | Stiff         | 15-25                        |  |                 |                       |         |                           |
| >50   | V. Dense         | 15-30        | V. Stiff      | >25                          |  |                 |                       |         |                           |
|   |                  | >30          | Hard          | and                          |  |                 |                       |         |                           |

| SUMMIT<br>ENVIRONMENTAL CONSULTANTS, INC.<br>640 Main Street<br>Lewiston, Maine 04240 |                |              |               | SOIL BORING LOG  |  |                    |                       | Boring #: | MW-104                    |
|---|----------------|--------------|---------------|--|--|--------------------|-----------------------|-----------|---------------------------|
|   |                |              |               | Project: 7-Eleven  |  | Project #: 10-3276 |                       |           |                           |
|   |                |              |               | Location: Lewiston, ME                                       |  | Sheet: 1 of 2      |                       |           |                           |
|   |                |              |               |  |  |                    |                       | Chkd by:  |                           |
| Drilling Co: EPI  |                |              |               | Boring Location: SW side of store                            |  |                    |                       |           |                           |
| Personnel: Dionne and Talon   |                |              |               | Elevation:   |  |                    |                       |           |                           |
| Summit Staff: Deyling/Cressey   |                |              |               | Date started: 9/29/2010 Date Completed: 9/29/2010            |  |                    |                       |           |                           |
| DRILLING METHOD   |                | SAMPLER      |               | ESTIMATED GROUND WATER DEPTH                                 |  |                    |                       |           |                           |
| Vehicle:  | Geoprobe       | Type:        |               | Date   | Depth  | Reference          | Groundwater Elevation |           |                           |
| Model:  | 660 DT         | Hammer:      |               |  |  |                    |                       |           |                           |
| Method:   | Direct Push    | Fall:        |               |  |  |                    |                       |           |                           |
| Depth<br>(ft.)  |                |              |               |  | SAMPLE<br>DESCRIPTION  |                    |                       | Stratum   | Field<br>Screening (ppmv) |
|   | No.            | Pen/Rec (in) | Depth (ft)    | Blows/6 in.  |  |                    |                       |           |                           |
|   | 48/24          | 0-4          |               | 2" asphalt<br>SAND and GRAVEL, brown, to gray silty fill     |  |                    |                       |           |                           |
| 2   |                |              |               |  |  |                    |                       |           |                           |
| 4   | 48/18          | 4-8          |               | SILT and CLAY, fill, 8-10' seam black (ash?), dry            |  |                    |                       |           |                           |
| 6   |                |              |               |  |  |                    |                       |           |                           |
| 8   | 48/18          | 8-12         |               | SILT and CLAY, olive, stiff, few SAND seams, fine, moist     |  |                    |                       |           |                           |
| 10  |                |              |               |  |  |                    |                       |           |                           |
| 12  | 48/48          | 12-16        |               | CLAY, olive, firm to soft, some SILT, moist                  |  |                    |                       |           |                           |
| 14  |                |              |               |  |  |                    |                       |           |                           |
| 16  | 48/48          | 16-20        |               | CLAY, olive, silty, firm to soft, with thin SAND seams, fine |  |                    |                       |           |                           |
| 18  |                |              |               |  |  |                    |                       |           |                           |
| 20  |                |              |               |  |  |                    |                       |           |                           |
| Granular Soils  | Cohesive Soils |              | % Composition |  | NOTES:   |                    |                       |           |                           |
| Blows/ft. Density   | Blows/ft.      | Consistency  |               |  |  |                    |                       |           |                           |
| 0-4 V. Loose  | <2             | V. soft      |               |  | 1. Soils screened with a MiniRae 3000 PID.                                   |                    |                       |           |                           |
| 4-10 Loose  | 2-4            | Soft         | <5%           | trace  | 2. Monitoring well installed at 24' bgs with 10' of screen and 14' of riser. |                    |                       |           |                           |
| 10-30 Compact   | 4-8            | Firm         | 5-15          | little   |  |                    |                       |           |                           |
| 30-50 Dense   | 8-15           | Stiff        | 15-25         | some   |  |                    |                       |           |                           |
| >50 V. Dense  | 15-30          | V. Stiff     | >25           | and  |  |                    |                       |           |                           |
|   | >30            | Hard         |               |  |  |                    |                       |           |                           |

| SUMMIT<br>ENVIRONMENTAL CONSULTANTS, INC.<br>640 Main Street<br>Lewiston, Maine 04240 |                       |                  |               | SOIL BORING LOG  |                    |                           | Boring #:<br><b>MW-104 (cont'd)</b> |
|---|-----------------------|------------------|---------------|--|--------------------|---------------------------|-------------------------------------|
|   |                       |                  |               | Project: 7-Eleven  | Project #: 10-3276 |                           |                                     |
|   |                       |                  |               | Location: Lewiston, ME   | Sheet: 2 of 2      |                           |                                     |
|   |                       |                  |               |  |                    |                           | Chkd by:                            |
| Drilling Co: EPI  |                       |                  |               | Boring Location: SW side of store  |                    |                           |                                     |
| Personnel: Dionne and Talon   |                       |                  |               | Elevation:   |                    |                           |                                     |
| Summit Staff: Deyling/Cressey   |                       |                  |               | Date started: 9/29/2010 Date Completed: 9/29/2010  |                    |                           |                                     |
| DRILLING METHOD   |                       | SAMPLER          |               | ESTIMATED GROUND WATER DEPTH   |                    |                           |                                     |
| Vehicle:  | Geoprobe              | Type:            |               | Date   | Depth              | Reference                 | Groundwater Elevation               |
| Model:  | 660 DT                | Hammer:          |               |  |                    |                           |                                     |
| Method:   | Direct Push           | Fall:            |               |  |                    |                           |                                     |
| Depth<br>(ft.)  | SAMPLE<br>DESCRIPTION |                  |               |  | Stratum            | Field<br>Screening (ppmv) |                                     |
|   | No.                   | Pen/Rec (in)     | Depth (ft)    | Blows/6 in.  |                    |                           |                                     |
|   | 48/48                 | 20-24            |               | Same as above with SAND seams, fine  |                    |                           | 0.0                                 |
| 22  |                       |                  |               |  |                    |                           |                                     |
| 24  |                       |                  |               |  |                    |                           |                                     |
|   |                       |                  |               | Boring ceased at 24' bgs   |                    |                           |                                     |
| 26  |                       |                  |               |  |                    |                           |                                     |
| 28  |                       |                  |               |  |                    |                           |                                     |
| 30  |                       |                  |               |  |                    |                           |                                     |
| 32  |                       |                  |               |  |                    |                           |                                     |
| 34  |                       |                  |               |  |                    |                           |                                     |
| 36  |                       |                  |               |  |                    |                           |                                     |
| 38  |                       |                  |               |  |                    |                           |                                     |
| 40  |                       |                  |               |  |                    |                           |                                     |
| Granular Soils  | Cohesive Soils        |                  | % Composition | NOTES:   |                    |                           |                                     |
| Blows/ft.<br>Density  | Blows/ft.             | Consistency      |               | 1. Soils screened with a MiniRae 3000 PID.<br>2. Monitoring well installed at 24' bgs with 10' of screen and 14' of riser. |                    |                           |                                     |
| 0-4 V. Loose  | <2                    | V. soft          | <5%           | trace  |                    |                           |                                     |
| 4-10 Loose  | 2-4                   | Soft             | 5-15          | little   |                    |                           |                                     |
| 10-30 Compact   | 4-8                   | Firm             | 15-25         | some   |                    |                           |                                     |
| 30-50 Dense   | 8-15                  | Stiff            | >25           | and  |                    |                           |                                     |
| >50 V. Dense  | 15-30<br>>30          | V. Stiff<br>Hard |               |  |                    |                           |                                     |

| SUMMIT  |                  |                |             | SOIL BORING LOG   |              |  |                       | Boring #:                 | B-105 |
|---|------------------|----------------|-------------|---|--------------|--|-----------------------|---------------------------|-------|
| ENVIRONMENTAL CONSULTANTS, INC.<br>640 Main Street<br>Lewiston, Maine 04240 |                  |                |             | Project:  | 7-Eleven     |  | Project #:            | 10-3276                   |       |
|   |                  |                |             | Location:   | Lewiston, ME |  | Sheet:                | 1 of 1                    |       |
|   |                  |                |             |   |              |  | Chkd by:              |                           |       |
| Drilling Co:  | EPI              |                |             | Boring Location:  |              |  |                       |                           |       |
| Personnel:  | Dionne and Talon |                |             | Elevation:  |              |  |                       |                           |       |
| Summit Staff:   | Deyling/Cressey  |                |             | Date started: 9/29/2010 Date Completed: 9/29/2010         |              |  |                       |                           |       |
| DRILLING METHOD   |                  | SAMPLER        |             | ESTIMATED GROUND WATER DEPTH                              |              |  |                       |                           |       |
| Vehicle:  | Geoprobe         | Type:          |             | Date  | Depth        | Reference                                  | Groundwater Elevation |                           |       |
| Model:  | 660 DT           | Hammer:        |             |   |              |  |                       |                           |       |
| Method:   | Direct Push      | Fall:          |             |   |              |  |                       |                           |       |
| Depth<br>(ft.)  | No.              | Pen/Rec (in)   | Depth (ft)  | SAMPLE<br>DESCRIPTION                                     |              |  | Stratum               | Field<br>Screening (ppmv) |       |
|   |                  |                |             | Blows/6 in.   |              |  |                       |                           |       |
|   | 48/24            | 0-4            |             | Asphalt<br>SAND and GRAVEL, silty, brick fragments (fill) |              |  |                       | ND                        |       |
| 2   |                  |                |             |   |              |  |                       |                           |       |
| 4   | 48/18            | 4-8            |             | SILT and CLAY, olive to gray, hard                        |              |  |                       | ND                        |       |
| 6   |                  |                |             |   |              |  |                       |                           |       |
| 8   | 48/18            | 8-12           |             | CLAY, olive, hard, silty                                  |              |  |                       | 46.0                      |       |
| 10  |                  |                |             |   |              |  |                       |                           |       |
| 12  | 48/48            | 12-16          |             | CLAY, olive, soft, petroleum odor                         |              |  |                       | 25.0                      |       |
| 14  |                  |                |             |   |              |  |                       |                           |       |
| 16  | 48/48            | 16-20          |             | SILT, olive, soft, SAND seams, petroleum odor             |              |  |                       | 49.0                      |       |
| 18  |                  |                |             |   |              |  |                       |                           |       |
| 20  |                  |                |             | Boring ceased at 20' bgs                                  |              |  |                       |                           |       |
| Granular Soils  |                  | Cohesive Soils |             | % Composition   |              | NOTES:                                     |                       |                           |       |
| Blows/ft.   | Density          | Blows/ft.      | Consistency |   |              |  |                       |                           |       |
| 0-4   | V. Loose         | <2             | V. soft     | <5%   | trace        | 1. Soils screened with a MiniRae 3000 PID. |                       |                           |       |
| 4-10  | Loose            | 2-4            | Soft        | 5-15  | little       |  |                       |                           |       |
| 10-30   | Compact          | 4-8            | Firm        | 15-25   | some         |  |                       |                           |       |
| 30-50   | Dense            | 8-15           | Stiff       | >25   | and          |  |                       |                           |       |
| >50   | V. Dense         | 15-30          | V. Stiff    |   |              |  |                       |                           |       |
|   |                  | >30            | Hard        |   |              |  |                       |                           |       |

| SUMMIT   |   |                |   | SOIL BORING LOG   |                    |  |                       | Boring #:          | MW-106                 |
|--|---|----------------|---|---|--------------------|--|-----------------------|--------------------|------------------------|
| ENVIRONMENTAL CONSULTANTS, INC.<br>640 Main Street<br>Lewiston, Maine 04240      |   |                |   | Project: 7-Eleven<br>Location: Lewiston, ME   |                    |  |                       | Project #: 10-3276 |                        |
|  |   |                |   |   |                    |  |                       | Sheet: 1 of 1      |                        |
|  |   |                |   |   |                    |  |                       | Chkd by:           |                        |
| Drilling Co: EPI<br>Personnel: Dionne and Talon<br>Summit Staff: Deyling/Cressey |   |                |   | Boring Location:<br>Elevation:<br>Date started: 9/29/2010 Date Completed: 9/29/2010 |                    |  |                       |                    |                        |
| DRILLING METHOD  |   | SAMPLER        |   | ESTIMATED GROUND WATER DEPTH  |                    |  |                       |                    |                        |
| Vehicle: Geoprobe  |   | Type: Hammer:  |   | Date  | Depth              | Reference  | Groundwater Elevation |                    |                        |
| Model: 660 DT  |   | Fall:          |   |   |                    |  |                       |                    |                        |
| Depth<br>(ft.)   | No. Pen/Rec (in) Depth (ft) Blows/6 in. |                |   |   | SAMPLE DESCRIPTION |  |                       | Stratum            | Field Screening (ppmv) |
|  |   |                |   |   |                    |  |                       |                    |                        |
| 2  | 48/27                                   | 0-4            | SAND and GRAVEL, brown (fill)<br><br>SILT, brown, some CLAY, trace SAND                   |   |                    |  |                       |                    |                        |
| 4  | 48/36                                   | 4-8            | SILT and CLAY, brown, trace SAND<br><br>same as above with 2" black stained organic layer |   |                    |  |                       |                    |                        |
| 6  |   |                |   |   |                    |  |                       |                    |                        |
| 8  | 48/48                                   | 8-12           | CLAY, olive, silty, moist, few SILT seams,  |   |                    |  |                       |                    |                        |
| 10   |   |                |   |   |                    |  |                       |                    |                        |
| 12   | 48/48                                   | 12-16          |   |   |                    |  |                       |                    |                        |
| 14   |   |                |   |   |                    |  |                       |                    |                        |
| 16   | 48/48                                   | 16-20          | SILT, olive, some SAND, fine  |   |                    |  |                       |                    |                        |
| 18   |   |                | SAND, fine, brown to gray, petroleum odor,<br>iron staining                               |   |                    |  |                       |                    |                        |
| 20   |   |                | Boring ceased at 20' bgs  |   |                    |  |                       |                    |                        |
| Granular Soils   |   | Cohesive Soils |   | % Composition   |                    | NOTES:   |                       |                    |                        |
| Blows/ft.  | Density                                 | Blows/ft.      | Consistency   |   |                    | 1. Soils screened with a MiniRae 3000 PID.<br>2. Monitoring well installed at 20' bgs with 10' of screen and 10' of riser. |                       |                    |                        |
| 0-4  | V. Loose                                | <2             | V. soft   | <5%   | trace              |  |                       |                    |                        |
| 4-10   | Loose                                   | 2-4            | Soft  | 5-15  | little             |  |                       |                    |                        |
| 10-30  | Compact                                 | 4-8            | Firm  | 15-25   | some               |  |                       |                    |                        |
| 30-50  | Dense                                   | 8-15           | Stiff   | >25   | and                |  |                       |                    |                        |
| >50  | V. Dense                                | 15-30          | V. Stiff  |   |                    |  |                       |                    |                        |
|  |   | >30            | Hard  |   |                    |  |                       |                    |                        |



| <b>SUMMIT</b><br>ENVIRONMENTAL CONSULTANTS, INC.<br>640 Main Street<br>Lewiston, Maine 04240   |                                   | <b>WELL COMPLETION LOG</b>                                     |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
|--|-----------------------------------|--|--|--------|--------|---------------|-----------|--------------|----|---------------------|-----|--|------|---|-------|------------------|-----|
|  |                                   | Project: VI Investigation<br>Location: 7-11<br>Lewiston, Maine | Well #: MW-101<br>Project #: 10-3276<br>Sheet: 1 of 1<br>Chkd by: JKC  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| Drilling Co: EPI<br>Foreman: Dionne<br>Summit Staff: JKC/MAD   | Well Location: Near Labonte House | Date started: 9/29/2010 Date Completed: 9/29/2010              |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
|  |                                   | Stratum from soil boring log                                   | <b>REFERENCE ELEVATIONS</b><br>Surveyor: Summit<br>Reference (MSL or TBM): _____<br>Top of Protective Casing: _____<br>Top of inner casing: _____<br>Ground Surface: _____ |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| Depth (ft.)  |                                   |  | <b>GW ELEVATIONS</b><br>Date 9/29/2010<br>Elevation 78.18<br>Date 12/21/2010<br>Elevation 79.87  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| <b>WELL CONSTRUCTION DETAILS</b>   |                                   |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| <b>PROTECTIVE CASING</b><br>Type (Standpipe or roadbox): roadbox<br>Diameter (in.): 4.0<br>Length (in.): 8.0<br>Concrete Seal (gal): 1   |                                   |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| <b>WELL CASING AND SCREEN</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Riser</th> <th style="text-align: center;">Screen</th> </tr> </thead> <tbody> <tr> <td>Material: PVC</td> <td>PVC</td> </tr> <tr> <td>Schedule: 40</td> <td>40</td> </tr> <tr> <td>Diameter (in.): 1.0</td> <td>1.0</td> </tr> <tr> <td>Length (ft.): 10.0</td> <td>10.0</td> </tr> <tr> <td>Interval below ground surface (ft.): 0-10</td> <td>10-20</td> </tr> <tr> <td>Slot size (in.):</td> <td>0.1</td> </tr> </tbody> </table> |                                   |  |  | Riser  | Screen | Material: PVC | PVC       | Schedule: 40 | 40 | Diameter (in.): 1.0 | 1.0 | Length (ft.): 10.0                             | 10.0 | Interval below ground surface (ft.): 0-10 | 10-20 | Slot size (in.): | 0.1 |
| Riser  | Screen                            |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| Material: PVC  | PVC                               |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| Schedule: 40   | 40                                |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| Diameter (in.): 1.0  | 1.0                               |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| Length (ft.): 10.0   | 10.0                              |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| Interval below ground surface (ft.): 0-10  | 10-20                             |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| Slot size (in.):   | 0.1                               |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| <b>FILTER AND SEAL MATERIALS</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Filter</th> <th style="text-align: center;">Seal</th> </tr> </thead> <tbody> <tr> <td>Type: sand</td> <td>bentonite</td> </tr> <tr> <td>Size:</td> <td></td> </tr> <tr> <td>Quantity (lbs.):</td> <td></td> </tr> <tr> <td>Interval below ground surface (ft.): 0-1, 2-20</td> <td>1-2</td> </tr> </tbody> </table>   |                                   |  |  | Filter | Seal   | Type: sand    | bentonite | Size:        |    | Quantity (lbs.):    |     | Interval below ground surface (ft.): 0-1, 2-20 | 1-2  |   |       |                  |     |
| Filter   | Seal                              |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| Type: sand   | bentonite                         |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| Size:  |                                   |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| Quantity (lbs.):   |                                   |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| Interval below ground surface (ft.): 0-1, 2-20   | 1-2                               |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| <b>GROUT</b><br>Type ( filter sand, bentonite, etc.): _____<br>Quantity (gal. or lbs.): _____<br>Interval below ground surface (ft.): _____  |                                   |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| <b>WELL DEVELOPMENT DETAILS</b>  |                                   |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| Water level from measuring point (ft.): 14<br>Depth of well from measuring point (ft.): 20<br>Total feet of water: 6.00<br>Volume of water (gal.): 0.768<br>Volume of water evacuated: 1 gallon<br>Method of development: peristaltic pump   |                                   |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |
| NOTES:   |                                   |  |  |        |        |               |           |              |    |                     |     |  |      |   |       |                  |     |

| <b>SUMMIT</b><br>ENVIRONMENTAL CONSULTANTS, INC.<br>640 Main Street<br>Lewiston, Maine 04240  |   | <b>WELL COMPLETION LOG</b>     |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
|---|---|--------------------------------|--|--------|--------|------|-----------|-------|----|----------------------------|------------|---|-------------|--|--------------|-----------------------------|--|
| Drilling Co: <u>EPI</u>   | Project: <u>VI Investigation</u>                                  | Well #: <u>MW-102</u>          | Project #: <u>10-3276</u>  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| Foreman: <u>Dionne</u>  | Location: <u>7-11</u>   | Sheet: <u>1 of 1</u>           | Lewiston, Maine Chkd by: <u>JKC</u>  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| Summit Staff: <u>JKC/MAD</u>  | Well Location: <u>Near property line with 7-11 and vacant lot</u> |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
|   |   | Date started: <u>9/29/2010</u> | Date Completed: <u>9/29/2010</u>   |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| <p>Depth (ft.)</p>  |   | Stratum from soil boring log   | <b>REFERENCE ELEVATIONS</b><br>Surveyor: <u>Summit</u><br>Reference (MSL or TBM): <u>9/29/2010</u><br>Top of Protective Casing: <u>12/21/2010</u><br>Top of inner casing:<br>Ground Surface: |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
|   |   |                                | <b>GW ELEVATIONS</b><br>Date <u>9/29/2010</u> Elevation <u>77.73</u><br>Date <u>12/21/2010</u> Elevation <u>79.73</u>  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| <b>WELL CONSTRUCTION DETAILS</b>  |   |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| <b>PROTECTIVE CASING</b><br>Type (Standpipe or roadbox): <u>roadbox</u><br>Diameter (in.): <u>4.0</u><br>Length (in.): <u>8.0</u><br>Concrete Seal (gal): <u>1</u>  |   |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| <b>WELL CASING AND SCREEN</b><br><table border="1"> <thead> <tr> <th>Riser</th> <th>Screen</th> </tr> </thead> <tbody> <tr> <td>PVC</td> <td>PVC</td> </tr> <tr> <td>40</td> <td>40</td> </tr> <tr> <td>Diameter (in.): <u>1.0</u></td> <td><u>1.0</u></td> </tr> <tr> <td>Length (ft.): <u>10.0</u></td> <td><u>10.0</u></td> </tr> <tr> <td>Interval below ground surface (ft.): <u>0-10</u></td> <td><u>10-20</u></td> </tr> <tr> <td>Slot size (in.): <u>0.1</u></td> <td></td> </tr> </tbody> </table> |   |                                |  | Riser  | Screen | PVC  | PVC       | 40    | 40 | Diameter (in.): <u>1.0</u> | <u>1.0</u> | Length (ft.): <u>10.0</u>                             | <u>10.0</u> | Interval below ground surface (ft.): <u>0-10</u> | <u>10-20</u> | Slot size (in.): <u>0.1</u> |  |
| Riser   | Screen  |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| PVC   | PVC   |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| 40  | 40  |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| Diameter (in.): <u>1.0</u>  | <u>1.0</u>  |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| Length (ft.): <u>10.0</u>   | <u>10.0</u>   |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| Interval below ground surface (ft.): <u>0-10</u>  | <u>10-20</u>  |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| Slot size (in.): <u>0.1</u>   |   |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| <b>FILTER AND SEAL MATERIALS</b><br><table border="1"> <thead> <tr> <th>Filter</th> <th>Seal</th> </tr> </thead> <tbody> <tr> <td>sand</td> <td>bentonite</td> </tr> <tr> <td>Size:</td> <td></td> </tr> <tr> <td>Quantity (lbs.):</td> <td></td> </tr> <tr> <td>Interval below ground surface (ft.): <u>0-1, 2-20</u></td> <td><u>1-2</u></td> </tr> </tbody> </table>   |   |                                |  | Filter | Seal   | sand | bentonite | Size: |    | Quantity (lbs.):           |            | Interval below ground surface (ft.): <u>0-1, 2-20</u> | <u>1-2</u>  |  |              |                             |  |
| Filter  | Seal  |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| sand  | bentonite   |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| Size:   |   |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| Quantity (lbs.):  |   |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| Interval below ground surface (ft.): <u>0-1, 2-20</u>   | <u>1-2</u>  |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| <b>GROUT</b><br>Type ( filter sand, bentonite, etc.): _____<br>Quantity (gal. or lbs.): _____<br>Interval below ground surface (ft.): _____   |   |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| <b>WELL DEVELOPMENT DETAILS</b>   |   |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| Water level from measuring point (ft.): <u>14.5</u><br>Depth of well from measuring point (ft.): <u>20</u><br>Total feet of water: <u>5.50</u><br>Volume of water (gal.): <u>0.704</u><br>Volume of water evacuated: <u>1 gallon</u><br>Method of development: <u>peristaltic pump</u>  |   |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| End of Boring @ 20'   |   |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |
| NOTES:  |   |                                |  |        |        |      |           |       |    |                            |            |   |             |  |              |                             |  |

| <b>SUMMIT</b><br>ENVIRONMENTAL CONSULTANTS, INC.<br>640 Main Street<br>Lewiston, Maine 04240 |  | <b>WELL COMPLETION LOG</b>         |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
|--|--|------------------------------------|---|--------|--------|------------|-----------|--------------|----|---------------------|-----|--|------|---|-------|------------------|-----|
|  |  | Project: VI Investigation          | Well #: MW-103  |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
|  |  | Location: 7-11                     | Project #: 10-3276  |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
|  |  | Lewiston, Maine                    | Sheet: 1 of 1   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
|  |  | Chkd by: JKC                       |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| Drilling Co: EPI   | Well Location: Near property line with 7-11 and Abutter to South |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| Foreman: Dionne  |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| Summit Staff: JKC/MAD  | Date started: 9/29/2010 Date Completed: 9/29/2010                |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| Depth<br>(ft.)   | Flush-mounted<br>Roadbox   | Stratum<br>from soil<br>boring log | <b>REFERENCE ELEVATIONS</b><br>Surveyor: Summit<br>Reference (MSL or TBM): _____<br>Top of Protective Casing: _____<br>Top of inner casing: _____<br>Ground Surface: _____  |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 1  | Filter Sand  | SAND &<br>GRAVEL<br>(FILL)         | <b>GW ELEVATIONS</b><br>Date _____ Elevation _____<br>9/29/2010 78.01<br>12/21/2010 79.76   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 2  | Bentonite  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 3  | Filter Sand  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 4  |  | SAND<br>CLAY                       |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 5  |  |                                    | <b>WELL CONSTRUCTION DETAILS</b>  |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 6  |  |                                    | <b>PROTECTIVE CASING</b><br>Type (Standpipe or roadbox): roadbox<br>Diameter (in.): 4.0<br>Length (in.): 8.0<br>Concrete Seal (gal): 1  |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 7  |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 8  |  |                                    | <b>WELL CASING AND SCREEN</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Riser</th> <th style="width: 10%;">Screen</th> </tr> </thead> <tbody> <tr> <td>PVC</td> <td>PVC</td> </tr> <tr> <td>Schedule: 40</td> <td>40</td> </tr> <tr> <td>Diameter (in.): 1.0</td> <td>1.0</td> </tr> <tr> <td>Length (ft.): 10.0</td> <td>10.0</td> </tr> <tr> <td>Interval below ground surface (ft.): 0-10</td> <td>10-20</td> </tr> <tr> <td>Slot size (in.):</td> <td>0.1</td> </tr> </tbody> </table> | Riser  | Screen | PVC        | PVC       | Schedule: 40 | 40 | Diameter (in.): 1.0 | 1.0 | Length (ft.): 10.0                             | 10.0 | Interval below ground surface (ft.): 0-10 | 10-20 | Slot size (in.): | 0.1 |
| Riser  | Screen   |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| PVC  | PVC  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| Schedule: 40   | 40   |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| Diameter (in.): 1.0  | 1.0  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| Length (ft.): 10.0   | 10.0   |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| Interval below ground surface (ft.): 0-10  | 10-20  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| Slot size (in.):   | 0.1  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 9  |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 10   |  |                                    | <b>FILTER AND SEAL MATERIALS</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Filter</th> <th style="width: 10%;">Seal</th> </tr> </thead> <tbody> <tr> <td>Type: sand</td> <td>bentonite</td> </tr> <tr> <td>Size:</td> <td></td> </tr> <tr> <td>Quantity (lbs.):</td> <td></td> </tr> <tr> <td>Interval below ground surface (ft.): 0-1, 2-20</td> <td>1-2</td> </tr> </tbody> </table>   | Filter | Seal   | Type: sand | bentonite | Size:        |    | Quantity (lbs.):    |     | Interval below ground surface (ft.): 0-1, 2-20 | 1-2  |   |       |                  |     |
| Filter   | Seal   |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| Type: sand   | bentonite  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| Size:  |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| Quantity (lbs.):   |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| Interval below ground surface (ft.): 0-1, 2-20   | 1-2  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 11   |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 12   |  |                                    | <b>GROUT</b><br>Type ( filter sand, bentonite, etc.): _____<br>Quantity (gal. or lbs.): _____<br>Interval below ground surface (ft.): _____   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 13   |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 14   |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 15   |  |                                    | <b>WELL DEVELOPMENT DETAILS</b><br>Water level from measuring point (ft.): 14.3<br>Depth of well from measuring point (ft.): 20<br>Total feet of water: 5.70<br>Volume of water (gal.): 0.729<br>Volume of water evacuated: 1 gallon<br>Method of development: peristaltic pump   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 16   |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 17   |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 18   |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 19   |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| 20   |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| End of Boring @ 20'  |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |
| NOTES:   |  |                                    |   |        |        |            |           |              |    |                     |     |  |      |   |       |                  |     |

| <b>SUMMIT</b><br>ENVIRONMENTAL CONSULTANTS, INC.<br>640 Main Street<br>Lewiston, Maine 04240  |   | <b>WELL COMPLETION LOG</b>                                     |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
|---|---|--|---|---|---------------|---|------------------|--------------------------------------|------|-------------------------|-------------------------|----------------------------|-----------|------------------------|---------------------------|-----|------------|-------|----------------------|--|--|--|-----------------|--|--|--|
|   |   | Project: VI Investigation<br>Location: 7-11<br>Lewiston, Maine | Well #: MW-104<br>Project #: 10-3276<br>Sheet: 1 of 1<br>Chkd by: JKC |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Drilling Co: EPI<br>Foreman: Dionne<br>Summit Staff: JKC/MAD  | Well Location: South of Site Building   | Date started: 9/29/2010 Date Completed: 9/29/2010              |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| <p>Flush-mounted Roadbox</p> <p>Stratum from soil boring log</p> <p>Depth (ft.)</p> <p>2</p> <p>4</p> <p>6</p> <p>8</p> <p>10</p> <p>12</p> <p>14</p> <p>16</p> <p>18</p> <p>20</p> <p>22</p> <p>24</p> <p>Bottom of Boring @ 24'</p> <p>26</p> <p>28</p> <p>30</p> <p>32</p> <p>34</p> <p>36</p> <p>38</p> <p>40</p>   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">REFERENCE ELEVATIONS</th> <th colspan="2" style="text-align: center;">GW ELEVATIONS</th> </tr> <tr> <th colspan="2" style="text-align: center;">Surveyor: Summit</th> <th>Date</th> <th>Elevation</th> </tr> </thead> <tbody> <tr> <td colspan="2">Reference (MSL or TBM):</td> <td>9/29/2010</td> <td>Dry</td> </tr> <tr> <td colspan="2">Top of Protective Casing:</td> <td>12/21/2010</td> <td>83.59</td> </tr> <tr> <td colspan="2">Top of inner casing:</td> <td></td> <td></td> </tr> <tr> <td colspan="2">Ground Surface:</td> <td></td> <td></td> </tr> </tbody> </table> |  | REFERENCE ELEVATIONS  |   | GW ELEVATIONS |   | Surveyor: Summit |                                      | Date | Elevation               | Reference (MSL or TBM): |                            | 9/29/2010 | Dry                    | Top of Protective Casing: |     | 12/21/2010 | 83.59 | Top of inner casing: |  |  |  | Ground Surface: |  |  |  |
| REFERENCE ELEVATIONS  |   | GW ELEVATIONS  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Surveyor: Summit  |   | Date   | Elevation   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Reference (MSL or TBM):   |   | 9/29/2010  | Dry   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Top of Protective Casing:   |   | 12/21/2010   | 83.59   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Top of inner casing:  |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Ground Surface:   |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| <b>WELL CONSTRUCTION DETAILS</b>  |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| <b>PROTECTIVE CASING</b>  |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Type (Standpipe or roadbox):</td> <td>roadbox</td> </tr> <tr> <td>Diameter (in.):</td> <td>4.0</td> </tr> <tr> <td>Length (in.):</td> <td>8.0</td> </tr> <tr> <td>Concrete Seal (gal):</td> <td>1</td> </tr> </table>   |   |  |   | Type (Standpipe or roadbox):            | roadbox       | Diameter (in.):                           | 4.0              | Length (in.):                        | 8.0  | Concrete Seal (gal):    | 1                       |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Type (Standpipe or roadbox):  | roadbox   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Diameter (in.):   | 4.0   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Length (in.):   | 8.0   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Concrete Seal (gal):  | 1   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| <b>WELL CASING AND SCREEN</b>   |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Riser</th> <th>Screen</th> </tr> </thead> <tbody> <tr> <td>PVC</td> <td>PVC</td> </tr> <tr> <td>40</td> <td>40</td> </tr> <tr> <td>1.0</td> <td>1.0</td> </tr> <tr> <td>2.0</td> <td>10.0</td> </tr> <tr> <td>0-14</td> <td>14-24</td> </tr> <tr> <td>0.1</td> <td></td> </tr> </tbody> </table>  |   |  |   | Riser                                   | Screen        | PVC                                       | PVC              | 40                                   | 40   | 1.0                     | 1.0                     | 2.0                        | 10.0      | 0-14                   | 14-24                     | 0.1 |            |       |                      |  |  |  |                 |  |  |  |
| Riser   | Screen  |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| PVC   | PVC   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| 40  | 40  |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| 1.0   | 1.0   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| 2.0   | 10.0  |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| 0-14  | 14-24   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| 0.1   |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| <b>FILTER AND SEAL MATERIALS</b>  |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
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| Filter  | Seal  |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| sand  | bentonite   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
|   |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Quantity (lbs.):  |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| 0-1, 2-24   | 1-2   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| <b>GROUT</b>  |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Type (filter sand, bentonite, etc.):</td> <td></td> </tr> <tr> <td>Quantity (gal. or lbs.):</td> <td></td> </tr> <tr> <td>Interval below ground surface (ft.):</td> <td></td> </tr> </table>  |   |  |   | Type (filter sand, bentonite, etc.):    |               | Quantity (gal. or lbs.):                  |                  | Interval below ground surface (ft.): |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Type (filter sand, bentonite, etc.):  |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Quantity (gal. or lbs.):  |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Interval below ground surface (ft.):  |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| <b>WELL DEVELOPMENT DETAILS</b>   |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Water level from measuring point (ft.):</td> <td>16</td> </tr> <tr> <td>Depth of well from measuring point (ft.):</td> <td>24</td> </tr> <tr> <td>Total feet of water:</td> <td>8.00</td> </tr> <tr> <td>Volume of water (gal.):</td> <td>1.023</td> </tr> <tr> <td>Volume of water evacuated:</td> <td>1 gallon</td> </tr> <tr> <td>Method of development:</td> <td>peristaltic pump</td> </tr> </table> |   |  |   | Water level from measuring point (ft.): | 16            | Depth of well from measuring point (ft.): | 24               | Total feet of water:                 | 8.00 | Volume of water (gal.): | 1.023                   | Volume of water evacuated: | 1 gallon  | Method of development: | peristaltic pump          |     |            |       |                      |  |  |  |                 |  |  |  |
| Water level from measuring point (ft.):   | 16  |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Depth of well from measuring point (ft.):   | 24  |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Total feet of water:  | 8.00  |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Volume of water (gal.):   | 1.023   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Volume of water evacuated:  | 1 gallon  |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| Method of development:  | peristaltic pump  |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |
| <p>NOTES:</p>   |   |  |   |   |               |   |                  |                                      |      |                         |                         |                            |           |                        |                           |     |            |       |                      |  |  |  |                 |  |  |  |

| <b>SUMMIT</b><br>ENVIRONMENTAL CONSULTANTS, INC.<br>640 Main Street<br>Lewiston, Maine 04240   |  | <b>WELL COMPLETION LOG</b>                                     |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
|--|--|--|--|--------|--------|------|-----------|----|----|------------------|-----|-----------|------|------|-------|-----|--|
|  |  | Project: VI Investigation<br>Location: 7-11<br>Lewiston, Maine | Well #: MW-106<br>Project #: 10-3276<br>Sheet: 1 of 1<br>Chkd by: JKC  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| Drilling Co: EPI<br>Foreman: Dionne<br>Summit Staff: JKC/MAD   | Well Location: Near property line with 7-11 and Abutter to South | Date started: 9/29/2010 Date Completed: 9/29/2010              |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
|  |  | Stratum from soil boring log                                   | <b>REFERENCE ELEVATIONS</b><br>Surveyor: Summit<br>Reference (MSL or TBM): _____<br>Top of Protective Casing: _____<br>Top of inner casing: _____<br>Ground Surface: _____ |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| Depth (ft.)  |  |  | <b>GW ELEVATIONS</b><br>Date: _____ Elevation: _____<br>9/29/2010 77.47<br>12/21/2010 79.53  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| <b>WELL CONSTRUCTION DETAILS</b>   |  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| <b>PROTECTIVE CASING</b><br>Type (Standpipe or roadbox): roadbox<br>Diameter (in.): 4.0<br>Length (in.): 8.0<br>Concrete Seal (gal): 1   |  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| <b>WELL CASING AND SCREEN</b><br><table border="1"> <thead> <tr> <th>Riser</th> <th>Screen</th> </tr> </thead> <tbody> <tr> <td>PVC</td> <td>PVC</td> </tr> <tr> <td>40</td> <td>40</td> </tr> <tr> <td>1.0</td> <td>1.0</td> </tr> <tr> <td>10.0</td> <td>10.0</td> </tr> <tr> <td>0-10</td> <td>10-20</td> </tr> <tr> <td>0.1</td> <td></td> </tr> </tbody> </table> |  |  |  | Riser  | Screen | PVC  | PVC       | 40 | 40 | 1.0              | 1.0 | 10.0      | 10.0 | 0-10 | 10-20 | 0.1 |  |
| Riser  | Screen   |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| PVC  | PVC  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| 40   | 40   |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| 1.0  | 1.0  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| 10.0   | 10.0   |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| 0-10   | 10-20  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| 0.1  |  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| Interval below ground surface (ft):<br>Slot size (in.):  |  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| <b>FILTER AND SEAL MATERIALS</b><br><table border="1"> <thead> <tr> <th>Filter</th> <th>Seal</th> </tr> </thead> <tbody> <tr> <td>sand</td> <td>bentonite</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>Quantity (lbs.):</td> <td></td> </tr> <tr> <td>0-1, 2-20</td> <td>1-2</td> </tr> </tbody> </table>  |  |  |  | Filter | Seal   | sand | bentonite |    |    | Quantity (lbs.): |     | 0-1, 2-20 | 1-2  |      |       |     |  |
| Filter   | Seal   |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| sand   | bentonite  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
|  |  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| Quantity (lbs.):   |  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| 0-1, 2-20  | 1-2  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| <b>GROUT</b><br>Type (filter sand, bentonite, etc.): _____<br>Quantity (gal. or lbs.): _____<br>Interval below ground surface (ft): _____  |  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| <b>WELL DEVELOPMENT DETAILS</b><br>Water level from measuring point (ft): 11.5<br>Depth of well from measuring point (ft): 20<br>Total feet of water: 8.50<br>Volume of water (gal): 1.087<br>Volume of water evacuated: 1 gallon<br>Method of development: peristaltic pump   |  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |
| NOTES:   |  |  |  |        |        |      |           |    |    |                  |     |           |      |      |       |     |  |

## ***Appendix B***

### **Field Data Sheets**

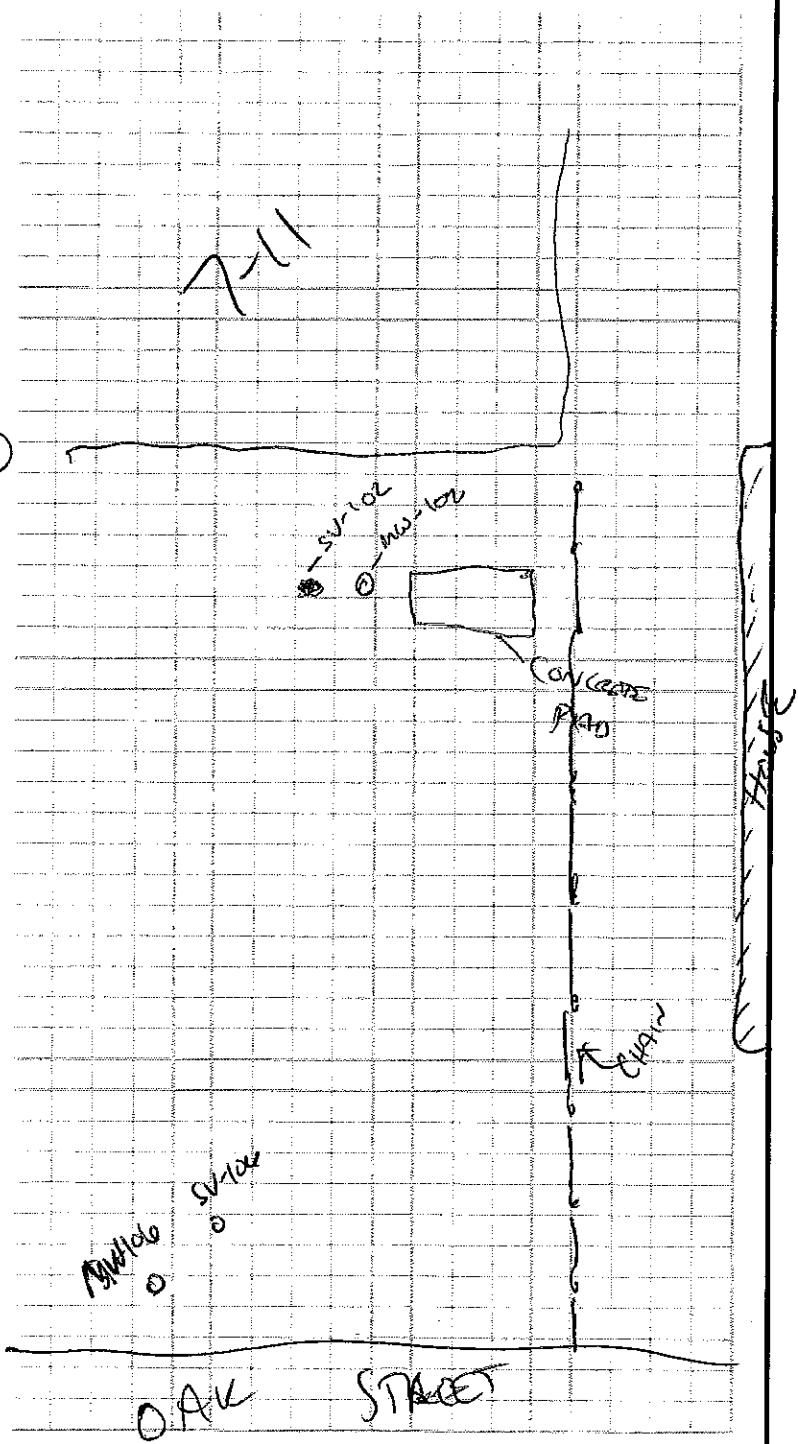
Soil Gas Sampling Field Sheet  
Maine DEP

|                               |   |
|-------------------------------|---|
| Site Name:                    | 7-11  |
| Town:                         | Weston  |
| Date:                         | 9-29-10   |
| Sample I.D.:                  | SV-107-4  |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br>(Receptor) (Other) |
| Sampling Personnel:           | CRESSLER / WHITTE                                     |
| Project Manager               | GROMITA   |
| Collection Device:            | (Summa Can) (Pedlar Bag)                              |
| Sample Penetration Location:  | (Asphalt) (Concrete) (Soil)                           |
| Soil Type:                    | (Fill) (Till) (Sand & Gravel)<br>(Glacial Marine)     |
| Sample Depth:                 | 4'  |
| Depth to Water:               | 14.5'   |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 450   |
| Flow Control I.D.:            | 0280  |
| Flow control rate:            | 69  |
| O <sub>2</sub> Ambient        | 20.8  |
| CO <sub>2</sub> Ambient       | 0.50  |
| subsurface pressure/vacuum    | — (+/- inches of water column)                        |
| Pre-Sample: O <sub>2</sub>    | 19.7  |
| Pre-Sample CO <sub>2</sub> :  | 1.04  |
| Pre-Sample PID:               | 0.5   |
| Pre-Sample CH <sub>4</sub> :  | 0.0 (% Volume, %LEL, PPM)                             |
| Sample Initiation Time:       | 12:41B  |
| Initial Vacuum:               | -30   |
| Sample End Time:              | 13:27   |
| Final Vacuum:                 | 0.0   |
| Post Sample O <sub>2</sub> :  | 19.9  |
| Post Sample CO <sub>2</sub> : | 0.96  |

Notes:

PRE-SAMPLE  
CO = 14 ppm

Sample Location Sketch

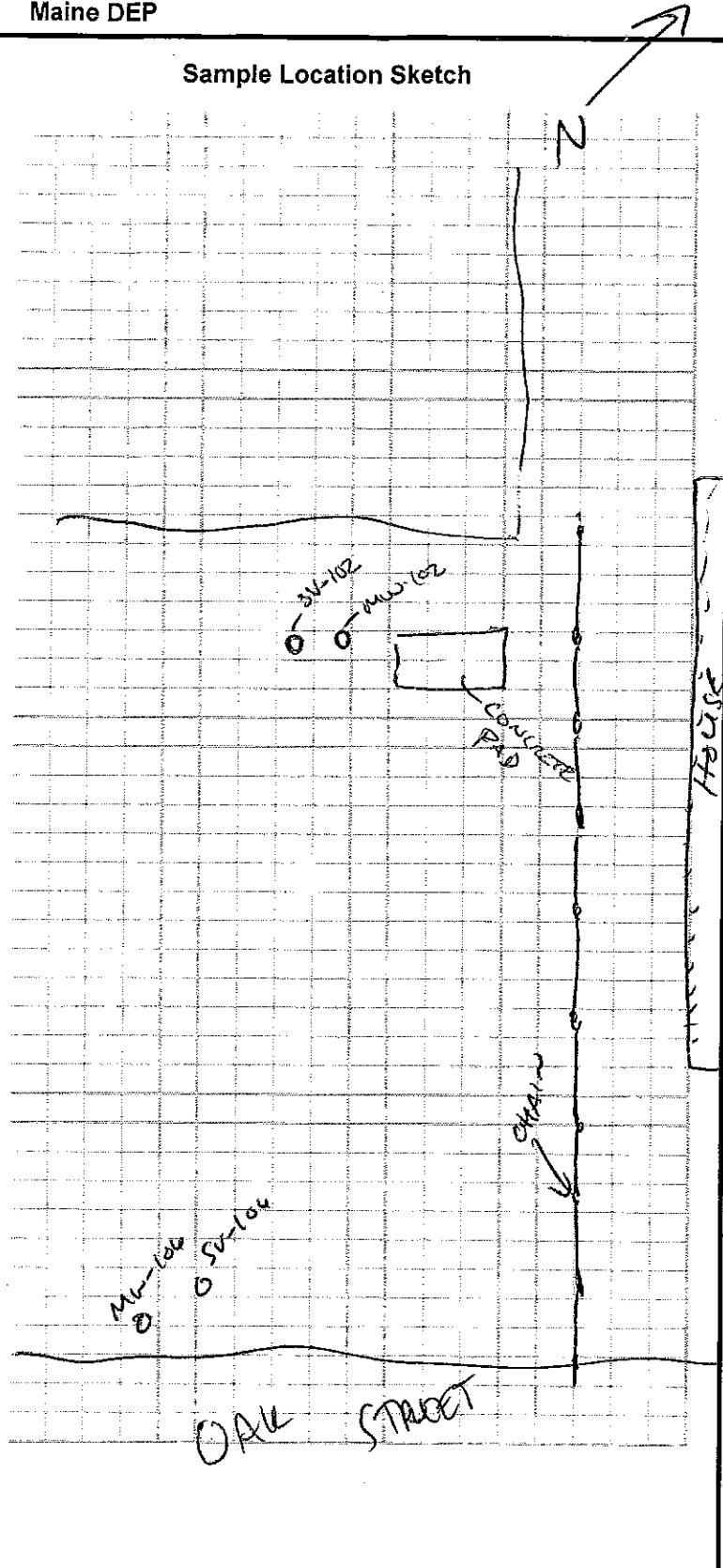


BURST  
10 mins  
1.5 LITERS

**Soil Gas Sampling Field Sheet**  
Maine DEP

|                               |   |
|-------------------------------|---|
| Site Name:                    | 7-11  |
| Town:                         | Lawson  |
| Date:                         | 9-29-10   |
| Sample I.D.:                  | SV-102-11   |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br>(Receptor) (Other) |
| Sampling Personnel:           | CRESSMAN/WHITE  |
| Project Manager               | EMERITA   |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |
| Sample Penetration Location:  | (Ashphalt) (Concrete) (Soil)                          |
| Soil Type:                    | (Fill) (Till) (Sand & Gravel)<br>(Glacial Marine)     |
| Sample Depth:                 | 11'   |
| Depth to Water:               | 14.5'   |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 464   |
| Flow Control I.D.:            | 0429  |
| Flow control rate:            | 66  |
| O <sub>2</sub> Ambient        | 20.8  |
| CO <sub>2</sub> Ambient       | 0.0   |
| subsurface pressure/vacuum    | (+/- inches of water column)                          |
| Pre-Sample: O <sub>2</sub>    | 18.6  |
| Pre-Sample CO <sub>2</sub> :  | 1.12  |
| Pre-Sample PID:               | 2.1   |
| Pre-Sample CH <sub>4</sub> :  | 0.0 (% Volume, %LEL, PPM)                             |
| Sample Initiation Time:       | 12:54   |
| Initial Vacuum:               | -28   |
| Sample End Time:              | 5:25  |
| Final Vacuum:                 | -14   |
| Post Sample O <sub>2</sub> :  | NO Flow   |
| Post Sample CO <sub>2</sub> : | NO Flow   |

**Sample Location Sketch**

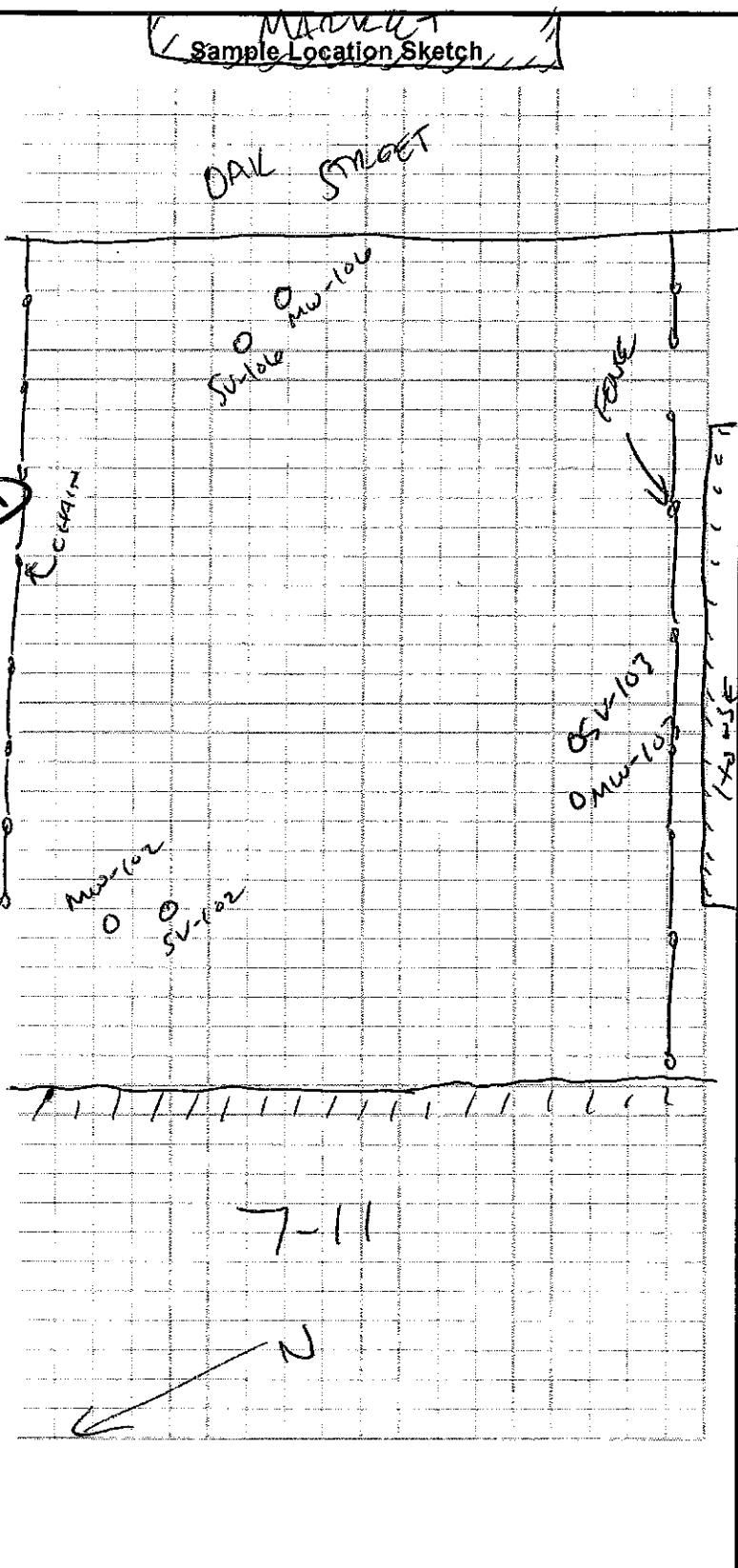


Notes:

## Soil Gas Sampling Field Sheet

Maine DEP

|                               |   |
|-------------------------------|---|
| Site Name:                    | 7-11  |
| Town:                         | Lewiston  |
| Date:                         | 9-29-10   |
| Sample I.D.:                  | SV-103-1  |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br>(Receptor) (Other) |
| Sampling Personnel:           | CRESSMAN / WHITE                                      |
| Project Manager               | BLOMMA  |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |
| Sample Penetration Location:  | (Ashphalt) (Concrete) (Soil)                          |
| Soil Type:                    | (Fill) (Till) (Sand & Gravel)<br>(Glacial Marine)     |
| Sample Depth:                 | 4'  |
| Depth to Water:               | 14.3'   |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 1732  |
| Flow Control I.D.:            | 0298  |
| Flow control rate:            |   |
| O <sub>2</sub> Ambient        | 20.9  |
| CO <sub>2</sub> Ambient       | 0.02  |
| subsurface pressure/vacuum    | — (± inches of water column)                          |
| Pre-Sample: O <sub>2</sub>    | 20.1  |
| Pre-Sample CO <sub>2</sub> :  | 0.55  |
| Pre-Sample PID:               | 0.9   |
| Pre-Sample CH <sub>4</sub> :  | 0.0 (% Volume, %LEL, PPM)                             |
| Sample Initiation Time:       | 12:17   |
| Initial Vacuum:               | -30   |
| Sample End Time:              | 12:40   |
| Final Vacuum:                 | -1  |
| Post Sample O <sub>2</sub> :  | 20.1  |
| Post Sample CO <sub>2</sub> : | 0.71  |



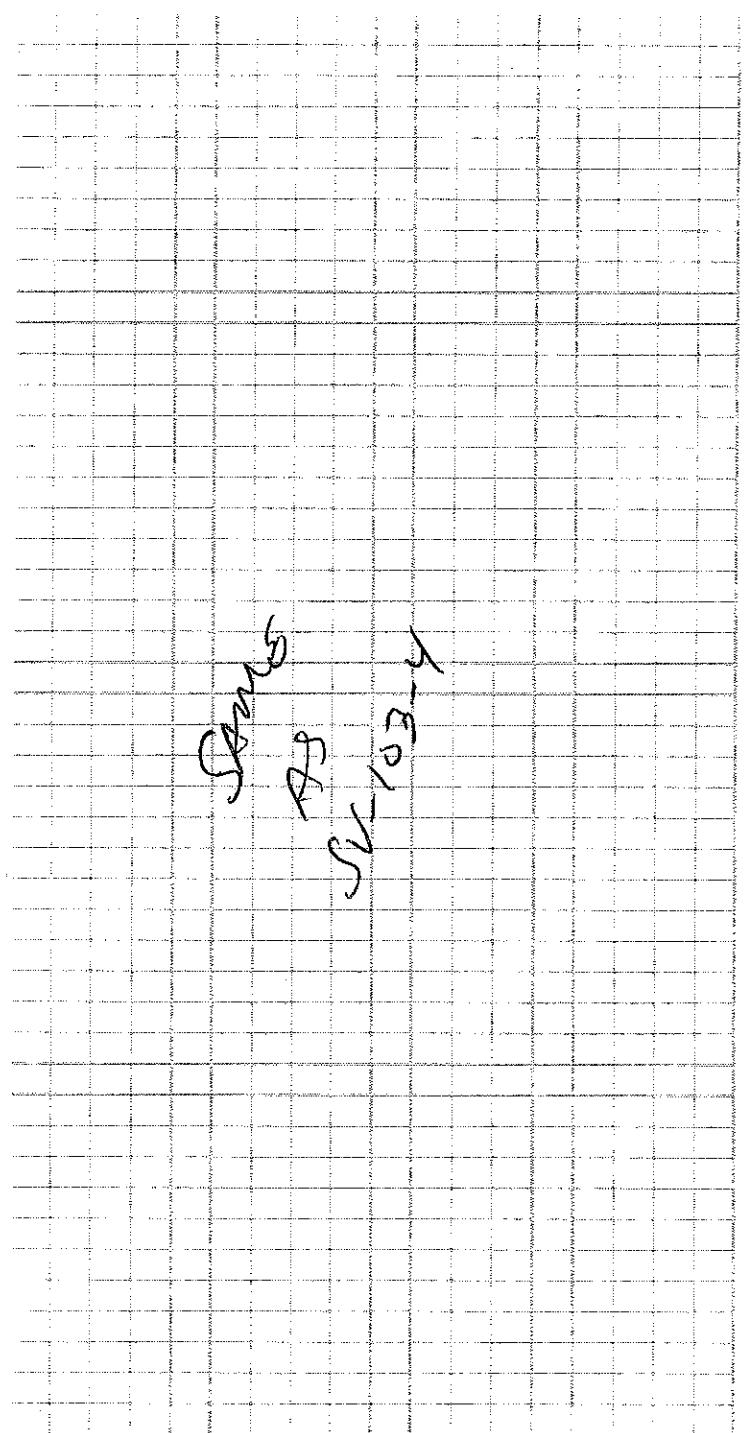
Notes:

# Soil Gas Sampling Field Sheet

Maine DEP

|                               |   |
|-------------------------------|---|
| Site Name:                    | 7-11  |
| Town:                         | Lewiston  |
| Date:                         | 9-29-16   |
| Sample I.D.:                  | SV-103-9  |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br>(Receptor) (Other) |
| Sampling Personnel:           | PME, BDH, DMW<br>John Cressy, Mike D.                 |
| Project Manager               |   |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |
| Sample Penetration Location:  | (Ashphalt) (Concrete) (Soil)                          |
| Soil Type:                    | (Fill) (Till) (Sand & Gravel)<br>(Glacial Marine)     |
| Sample Depth:                 | 9'  |
| Depth to Water:               | 14.3'   |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 484   |
| Flow Control I.D.:            | 437   |
| Flow control rate:            | 71 ml/min   |
| O <sub>2</sub> Ambient        | 20.9  |
| CO <sub>2</sub> Ambient       | 0.02  |
| subsurface pressure/vacuum    | — (± inches of water column)                          |
| Pre-Sample: O <sub>2</sub>    | 19.0 % vol.   |
| Pre-Sample CO <sub>2</sub> :  | 1.86 % vol.   |
| Pre-Sample PID:               | 0.3 ppm miniRAE                                       |
| Pre-Sample CH <sub>4</sub> :  | 0 (% Volume, %LEL, PPM)                               |
| Sample Initiation Time:       | 12:21   |
| Initial Vacuum:               | > -30" Hg   |
| Sample End Time:              | 12:57   |
| Final Vacuum:                 | -5" Hg  |
| Post Sample O <sub>2</sub> :  | 19.0 % vol  |
| Post Sample CO <sub>2</sub> : | 1.84 % vol.   |

## Sample Location Sketch



Purge start 12:02 end 12:57 vol. =

pre sample CO = 9 ppm

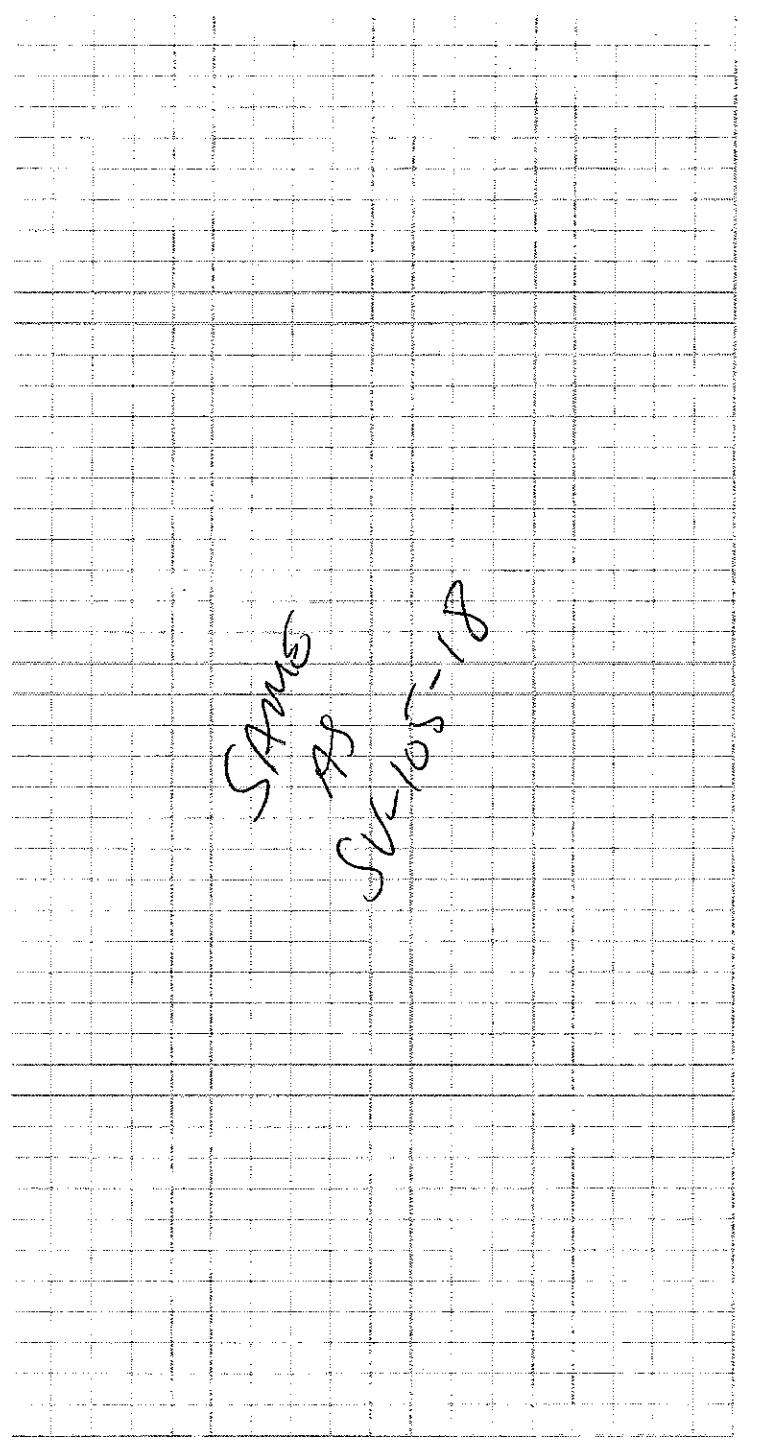
Notes:

## Soil Gas Sampling Field Sheet

Maine DEP

|                               |   |
|-------------------------------|---|
| Site Name:                    | 7-11  |
| Town:                         | LEWISTON  |
| Date:                         | 9-29-10   |
| Sample I.D.:                  | SV-105-4  |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br>(Receptor) (Other) |
| Sampling Personnel:           | CRESSY  |
| Project Manager               | EREMITA   |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |
| Sample Penetration Location:  | (Ashphalt) (Concrete) (Soil)                          |
| Soil Type:                    | (Fill) (Till) (Sand & Gravel)<br>(Glacial Marine)     |
| Sample Depth:                 | 4'  |
| Depth to Water:               | 20'   |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 151B  |
| Flow Control I.D.:            | 0130  |
| Flow control rate:            | 66  |
| O <sub>2</sub> Ambient        | 20.9  |
| CO <sub>2</sub> Ambient       | 0.03  |
| subsurface pressure/vacuum    | (+/- inches of water column)                          |
| Pre-Sample: O <sub>2</sub>    | 18.1  |
| Pre-Sample CO <sub>2</sub> :  | 1.68%   |
| Pre-Sample PID:               | 5.0   |
| Pre-Sample CH <sub>4</sub> :  | 0.0 (% Volume, %LEL, PPM)                             |
| Sample Initiation Time:       | -080 4:22   |
| Initial Vacuum:               | -30   |
| Sample End Time:              | 5:07  |
| Final Vacuum:                 | -1  |
| Post Sample O <sub>2</sub> :  | 17.8  |
| Post Sample CO <sub>2</sub> : | 1.96%   |

## Sample Location Sketch



PRE-SAMPLE  
CO = 11 ppm

POST-SAMPLE  
CO = 5 ppm

Notes:

## Soil Gas Sampling Field Sheet

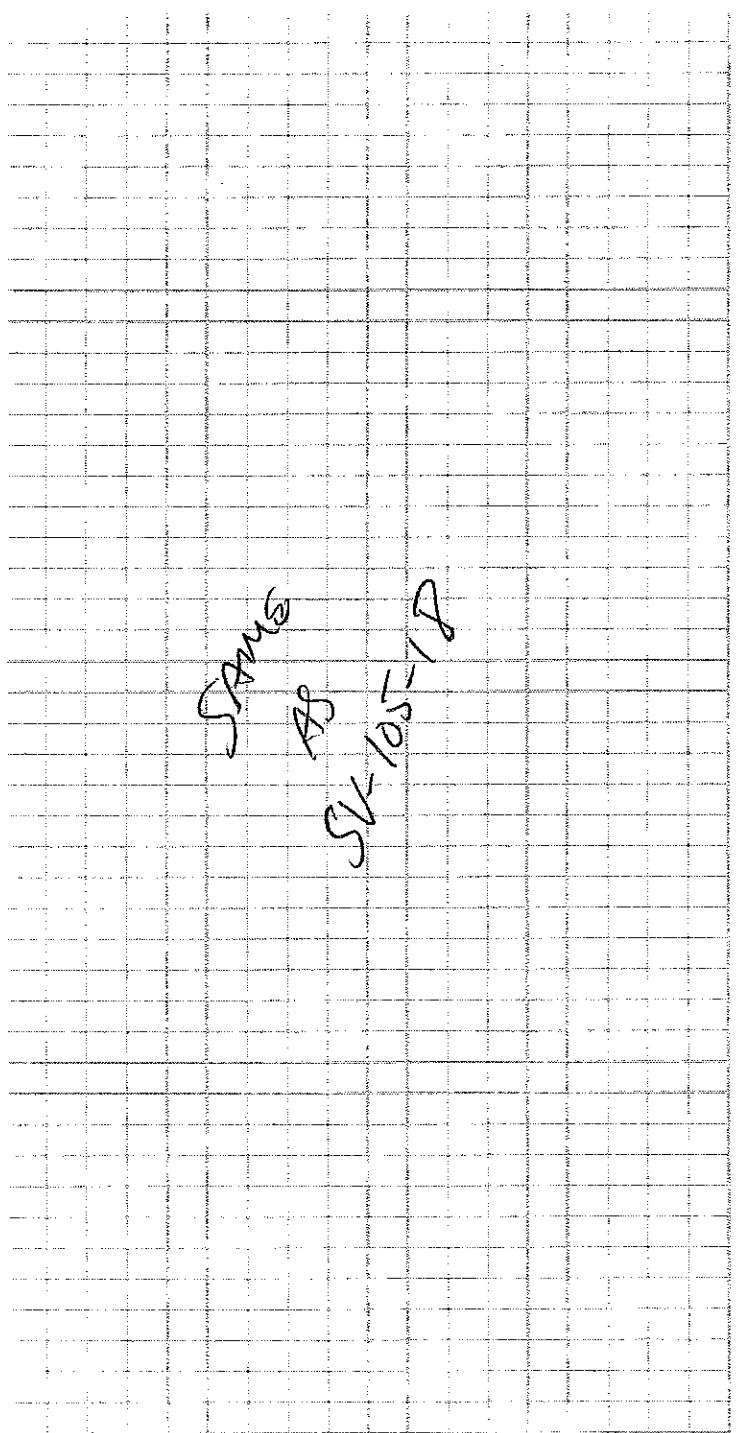
Maine DEP

|                               |   |                       |
|-------------------------------|---|-----------------------|
| Site Name:                    | 7-11  |                       |
| Town:                         | LEWISTON  |                       |
| Date:                         | 9-29-10   |                       |
| Sample I.D.:                  | SV-105-11   |                       |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br>(Receptor) (Other) |                       |
| Sampling Personnel:           | CLESSEY   |                       |
| Project Manager               | FREMITA   |                       |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |                       |
| Sample Penetration Location:  | (Asphalt)   | (Concrete) (Soil)     |
| Soil Type:                    | (Fill) (Till) (Sand & Gravel)<br>(Glacial Marine)     |                       |
| Sample Depth:                 | 11'   |                       |
| Depth to Water:               | 20'   |                       |
| Suspected COCs:               | (Petroleum)   | (Solvents)            |
| Cannister I.D.:               | 558   | 480                   |
| Flow Control I.D.:            | 0412  | 0180                  |
| Flow control rate:            | 72  | 69                    |
| O <sub>2</sub> Ambient        | 20.8  |                       |
| CO <sub>2</sub> Ambient       | 0.03  |                       |
| subsurface pressure/vacuum    | <u>—</u> (+/- inches of water column)                 |                       |
| Pre-Sample: O <sub>2</sub>    | 17.8  | 17.8                  |
| Pre-Sample CO <sub>2</sub> :  | 1.60%   | 1.60%                 |
| Pre-Sample PID:               | 95.8  |                       |
| Pre-Sample CH <sub>4</sub> :  | 0.0   | (% Volume, %LEL, PPM) |
| Sample Initiation Time:       | 4:38  |                       |
| Initial Vacuum:               | -30   | -30                   |
| Sample End Time:              | 5:17  | 5:17                  |
| Final Vacuum:                 | -3  | -3                    |
| Post Sample O <sub>2</sub> :  | 16.7  |                       |
| Post Sample CO <sub>2</sub> : | 2.95%   |                       |

PRE-SAMPLE  
CO = 256 ppmPOST-SAMPLE  
CO = 71 ppm

Notes:

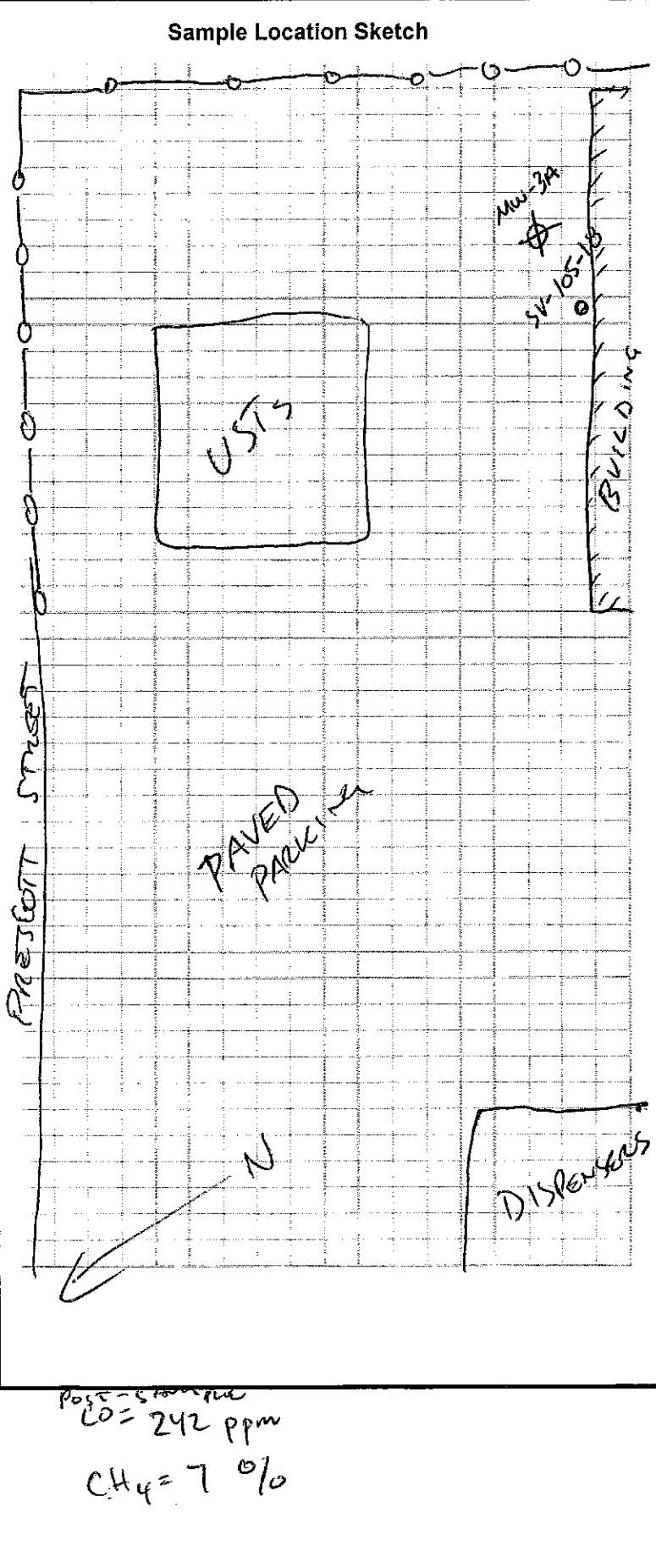
## Sample Location Sketch



# Soil Gas Sampling Field Sheet

Maine DEP

|                               |   |
|-------------------------------|---|
| Site Name:                    | T-11  |
| Town:                         | Lewiston  |
| Date:                         | 9-29-10   |
| Sample I.D.:                  | MW-105-18   |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br>(Receptor) (Other) |
| Sampling Personnel:           | CRESSMAN  |
| Project Manager               | EREMITA   |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |
| Sample Penetration Location:  | (Asphalt) (Concrete) (Soil)                           |
| Soil Type:                    | (Fill) (Till) (Sand & Gravel)<br>(Glacial Marine)     |
| Sample Depth:                 | 18'   |
| Depth to Water:               | 20'   |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 366   |
| Flow Control I.D.:            | 0404  |
| Flow control rate:            | 71  |
| O <sub>2</sub> Ambient        | 20.8  |
| CO <sub>2</sub> Ambient       | 0.03  |
| subsurface pressure/vacuum    | (+/- inches of water column)                          |
| Pre-Sample: O <sub>2</sub>    | 18.2  |
| Pre-Sample CO <sub>2</sub> :  | 1.82%   |
| Pre-Sample PID:               | 331.5 ppm   |
| Pre-Sample CH <sub>4</sub> :  | 12 (% Volume, %LEL, PPM)                              |
| Sample Initiation Time:       | 4:45  |
| Initial Vacuum:               | -30   |
| Sample End Time:              | 5:24  |
| Final Vacuum:                 | -2  |
| Post Sample O <sub>2</sub> :  | 16.7  |
| Post Sample CO <sub>2</sub> : | 2.60%   |



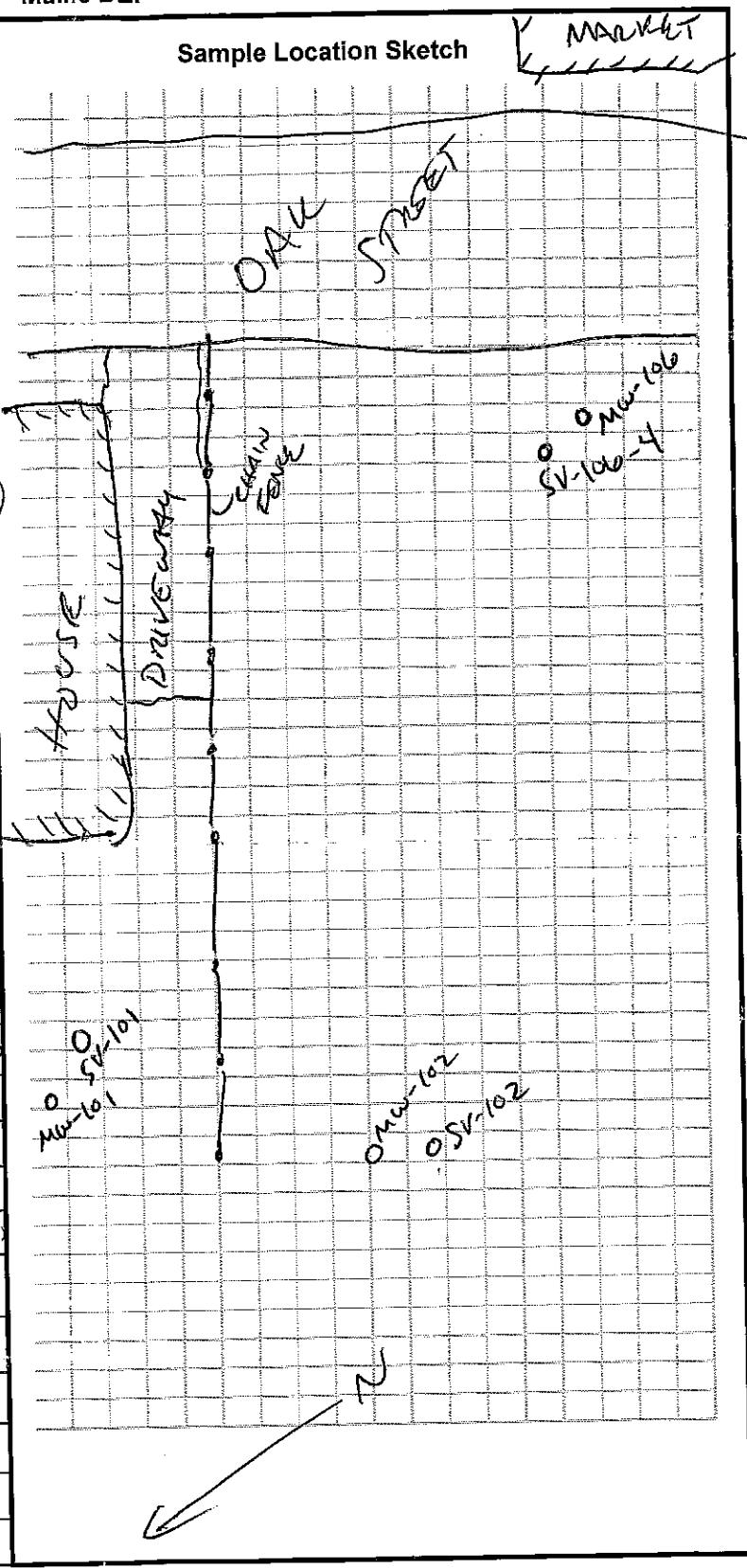
# Soil Gas Sampling Field Sheet

Maine DEP

|                               |   |
|-------------------------------|---|
| Site Name:                    | 7-11  |
| Town:                         | Lewisburg   |
| Date:                         | 9/30/10   |
| Sample I.D.:                  | SV-106-4  |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br>(Receptor) (Other) |
| Sampling Personnel:           | Brad HARR   |
| Project Manager               | Don White   |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |
| Sample Penetration Location:  | (Asphalt) (Concrete) (Soil)                           |
| Soil Type:                    | (Fill) (Till) (Sand & Gravel)<br>(Glacial Marine)     |
| Sample Depth:                 | 4"  |
| Depth to Water:               | 1.5'  |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 414   |
| Flow Control I.D.:            | 0217  |
| Flow control rate:            |   |
| O <sub>2</sub> Ambient        | 20.9  |
| CO <sub>2</sub> Ambient       | 300 ppm   |
| subsurface pressure/vacuum    | (+/- inches of water column)                          |
| Pre-Sample: O <sub>2</sub>    | 20.2 MSA  |
| Pre-Sample CO <sub>2</sub> :  | 0.45 MSA  |
| Pre-Sample PID:               | 1.1   |
| Pre-Sample CH <sub>4</sub> :  | 0 (% Volume, %LEL, PPM)                               |
| Sample Initiation Time:       | 1:16 PM   |
| Initial Vacuum:               | -28" Hg   |
| Sample End Time:              | 1:52  |
| Final Vacuum:                 | -5  |
| Post Sample O <sub>2</sub> :  | 20.1  |
| Post Sample CO <sub>2</sub> : | .55   |

CO = 120 Methane

Notes:  
purge time 12:50 - 1:00  
x 21.5 sec



**Indoor Air/Subslab Sampling Field Sheet**  
**Maine DEP**

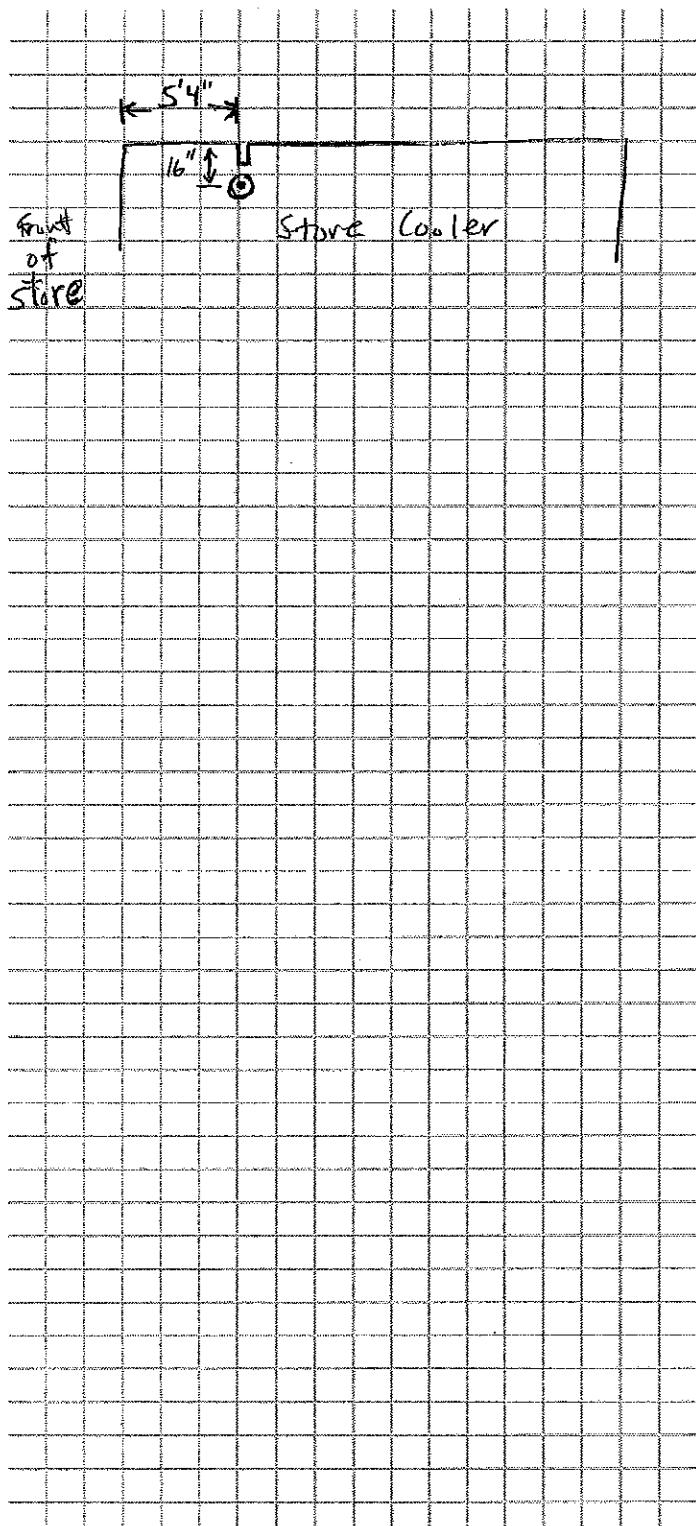
|                               |   |
|-------------------------------|---|
| Site Name:                    | 7-11  |
| Town:                         | Lewiston  |
| Date:                         | 9/29/10   |
| Sample I.D.:                  | SSV-01  |
| Project Manager:              |   |
| Sampling Personnel:           | PME BDH OMW   |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |
| Sample Type:                  | (Subslab) (Indoor Air)                                |
| Sampling Location:            | North Interior<br>7-11 Inside cooler                  |
| Foundation Floor Type:        | (Dirt) (Concrete)                                     |
| Foundation Wall Type:         | (Concrete) (Block) (Stone)<br>(Brick) (Slab on Grade) |
| Sump Hole:                    | (Yes) (No)  |
| Penetrations in Floor:        | (Sewer) (Water) (Gas) (Cracks)<br>(Drains) NO         |
| Penetrations in Wall:         | (Sewer) (Water) (Gas)<br>(Electric) (Cracks)          |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 383   |
| Flow Control I.D.:            | 0048  |
| Flow control rate:            |   |
| O <sub>2</sub> Ambient        | 19.0 20.8   |
| CO <sub>2</sub> Ambient       | 0.17  |
| Pre-Sample O <sub>2</sub> :   | 19.0 % vol  |
| Pre-Sample CO <sub>2</sub> :  | 0.63 % vol  |
| Pre-Sample PID:               | 0.0   |
| Pre-Sample CH <sub>4</sub> :  | 0.0 % LEL   |
| Sample Initiation Time:       | 11:13   |
| Initial Vacuum:               | 26.0  |
| Sample End Time:              | 11:39:43  |
| Final Vacuum:                 | 5   |
| Post Sample O <sub>2</sub> :  | 19.0 % vol.   |
| Post Sample CO <sub>2</sub> : | 0.66 % vol.   |

Notes/Observations:

Start Purge 10:56

End purge 11:02 ≈ 1.5 L

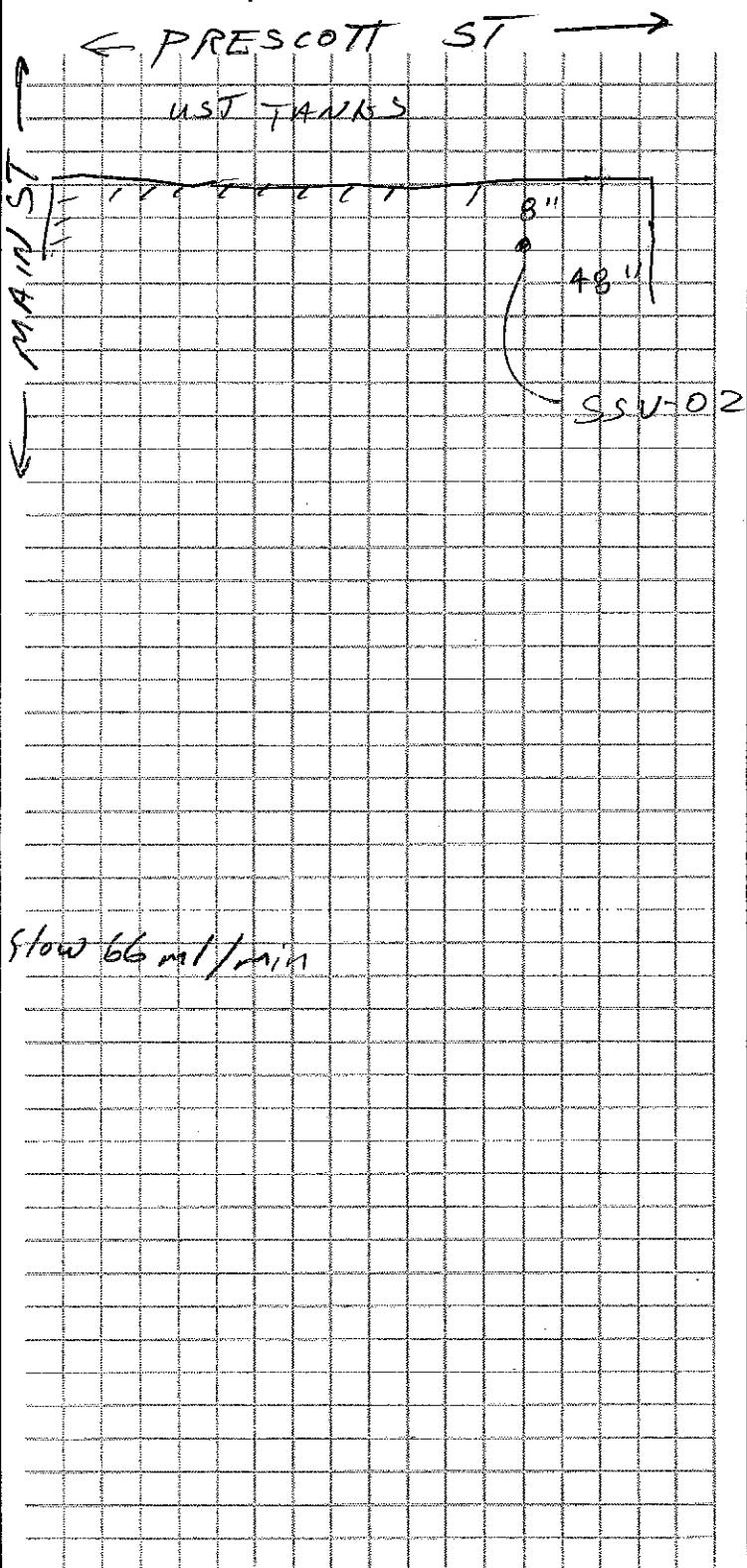
**Sample Location Sketch**



Indoor Air/Subslab Sampling Field Sheet  
Maine DEP

|                               |   |
|-------------------------------|---|
| Site Name:                    | Ø 7-11  |
| Town:                         | Lewisburg   |
| Date:                         | 9/29/10   |
| Sample I.D.:                  | SSV - 02  |
| Project Manager:              |   |
| Sampling Personnel:           | PME, BOH, DMW<br>John Crossley, Mike                  |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |
| Sample Type:                  | (Subslab) (Indoor Air)                                |
| Sampling Location:            | North Interior Ø 7-11<br>Inside cooler                |
| Foundation Floor Type:        | (Dirt) (Concrete)                                     |
| Foundation Wall Type:         | (Concrete) (Block) (Stone)<br>(Brick) (Slab on Grade) |
| Sump Hole:                    | (Yes) (No)  |
| Penetrations in Floor:        | (Sewer) (Water) (Gas) (Cracks)<br>(Drains) NO         |
| Penetrations in Wall:         | (Sewer) (Water) (Gas)<br>(Electric) (Cracks)          |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 109   |
| Flow Control I.D.:            | 0052 initial  |
| Flow control rate:            | 2048  |
| O <sub>2</sub> Ambient        | 21.2 in cooler  |
| CO <sub>2</sub> Ambient       | 0.11 in cooler  |
| Pre-Sample: O <sub>2</sub>    | 19.5  |
| Pre-Sample CO <sub>2</sub> :  | 0.75% vol   |
| Pre-Sample PID:               | 0.0   |
| Pre-Sample CH <sub>4</sub> :  | 0.0   |
| Sample Initiation Time:       | 10:53   |
| Initial Vacuum:               | -31" Hg   |
| Sample End Time:              | 11:19   |
| Final Vacuum:                 | -6.0" Hg  |
| Post Sample O <sub>2</sub> :  | 19.5%   |
| Post Sample CO <sub>2</sub> : | 0.77% vol   |

Sample Location Sketch



Notes/Observations:

Front. Detach > Multigas GX 2003 RK1  $\Rightarrow$  CH<sub>4</sub>

SMRO MSA Altair O<sub>2</sub> & CO<sub>2</sub>

Start purging into 3L Tedlar c 10:32 10:40 Stop c 10:47 1.5L

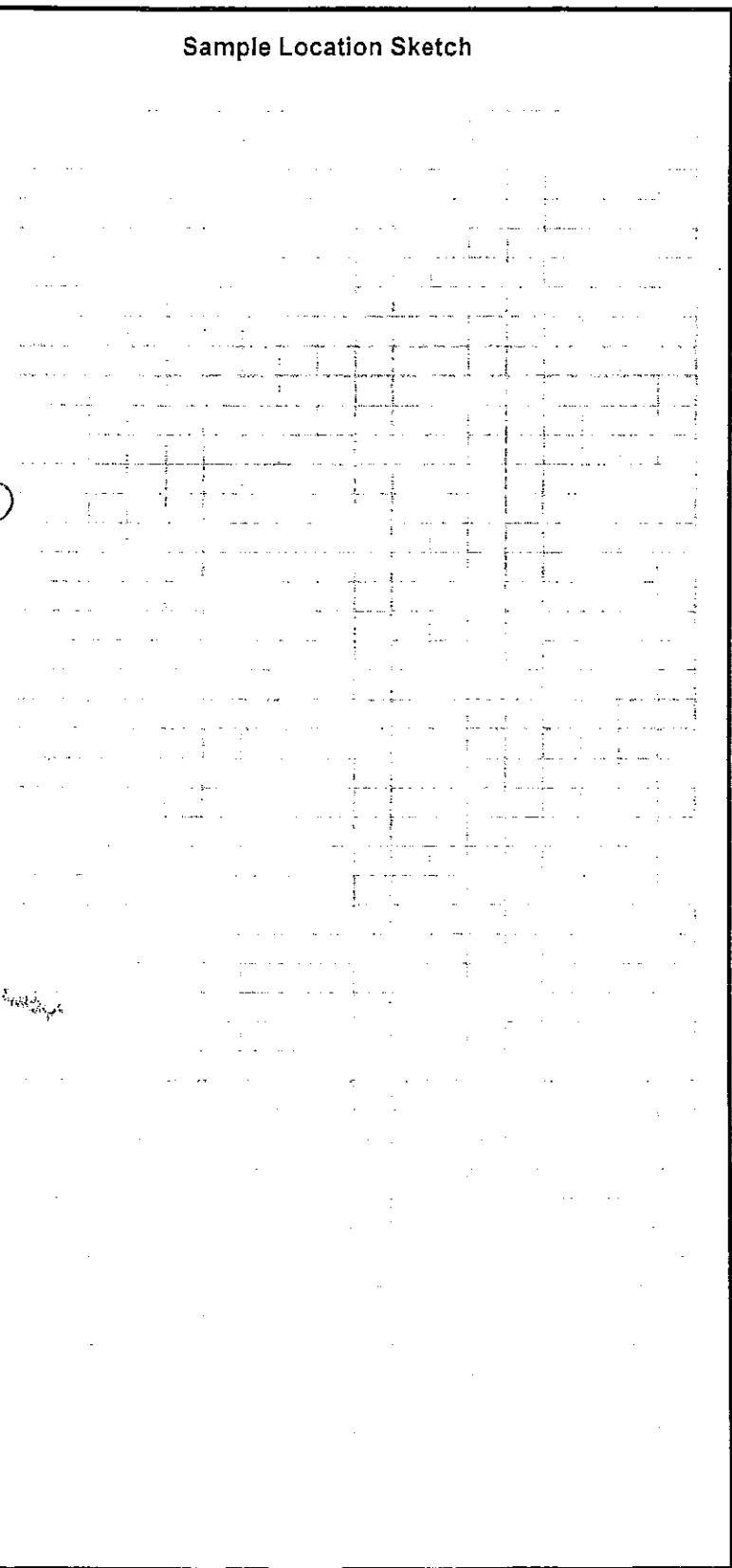


## Soil Gas Sampling Field Sheet

Maine DEP

|                               |   |
|-------------------------------|---|
| Site Name:                    | CHRISTIE'S  |
| Town:                         | Lewisport   |
| Date:                         | 12-21-10  |
| Sample I.D.:                  | SV-102 4'   |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br>(Receptor) (Other) |
| Sampling Personnel:           | CRESSEY   |
| Project Manager               | EZEM RA   |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |
| Sample Penetration Location:  | (Ashphalt) (Concrete) (Soil)                          |
| Soil Type:                    | (Fill) (Till) (Sand & Gravel)<br>(Glacial Marine)     |
| Sample Depth:                 | 4'  |
| Depth to Water:               | 12.9'   |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | SO1   |
| Flow Control I.D.:            | 01202   |
| Flow control rate:            | 72  |
| O <sub>2</sub> Ambient        | 20.8  |
| CO <sub>2</sub> Ambient       | 0.09  |
| subsurface pressure/vacuum    | (+/- inches of water column)                          |
| Pre-Sample: O <sub>2</sub>    | 20.4  |
| Pre-Sample CO <sub>2</sub> :  | 0.51  |
| Pre-Sample PID:               | 0.0   |
| Pre-Sample CH <sub>4</sub> :  | 0.0 (% Volume, %LEL, PPM)                             |
| Sample Initiation Time:       | 9:29  |
| Initial Vacuum:               | -30   |
| Sample End Time:              | 9:56  |
| Final Vacuum:                 | -3  |
| Post Sample O <sub>2</sub> :  | 20.4  |
| Post Sample CO <sub>2</sub> : | 0.52  |

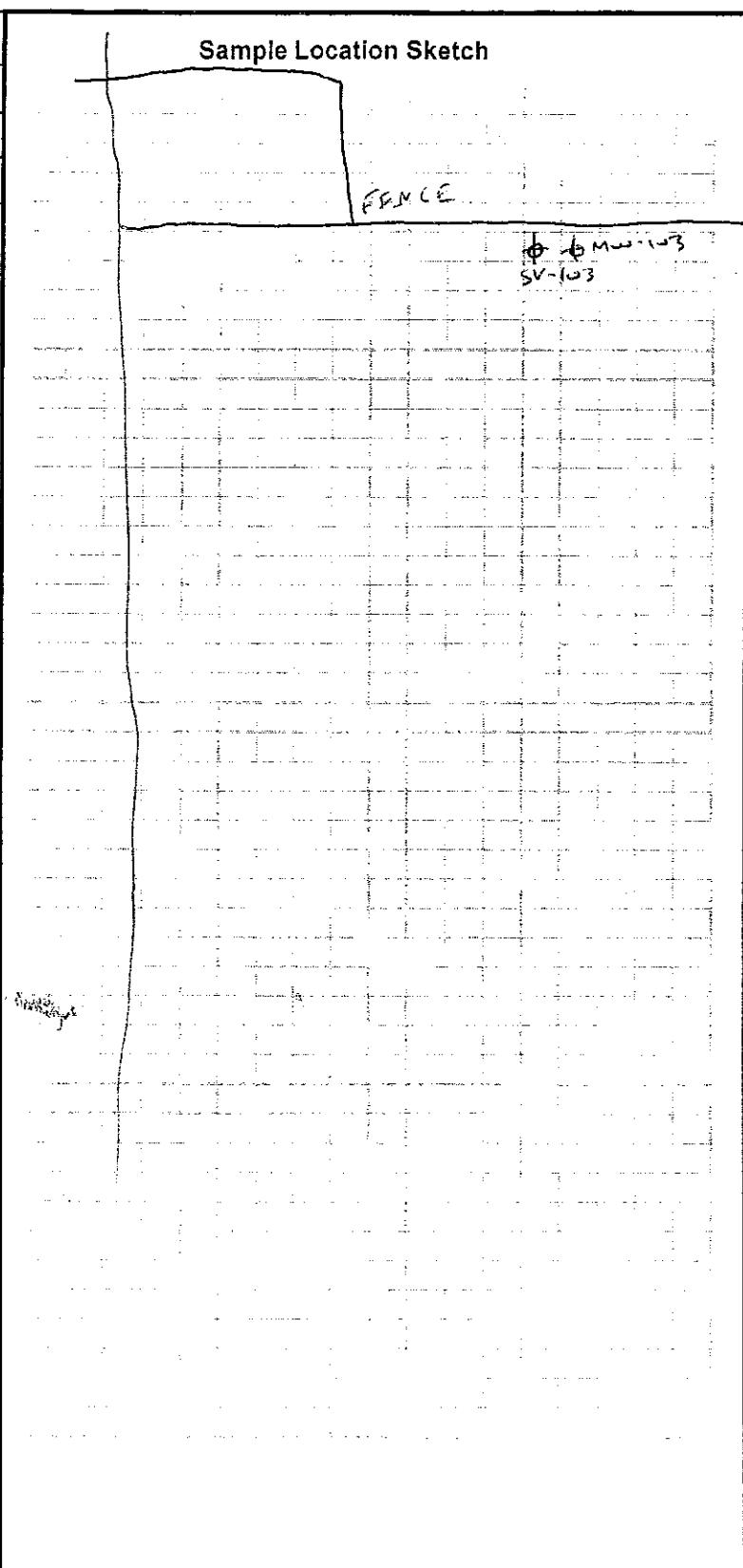
## Sample Location Sketch



Notes:

**Soil Gas Sampling Field Sheet**  
**Maine DEP**

|                               |   |
|-------------------------------|---|
| Site Name:                    | (CHRISTIE'S)  |
| Town:                         | LEWISTON  |
| Date:                         | 12-21-10  |
| Sample I.D.:                  | SV-103 4'   |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br><input checked="" type="checkbox"/> (Receptor) (Other) |
| Sampling Personnel:           | CRESSY  |
| Project Manager               | KRUMWA  |
| Collection Device:            | (Summa Can) (Tedlar Bag)  |
| Sample Penetration Location:  | (Asphalt) (Concrete) <input checked="" type="checkbox"/> (Soil)                           |
| Soil Type:                    | (Fill) (Till) (Sand & Gravel)<br><input checked="" type="checkbox"/> (Glacial Marine)     |
| Sample Depth:                 | 4'  |
| Depth to Water:               | 12.93'  |
| Suspected COCs:               | (Petroleum) (Solvents)  |
| Cannister I.D.:               | 421   |
| Flow Control I.D.:            | 0343  |
| Flow control rate:            | 68  |
| O <sub>2</sub> Ambient        | 20.8  |
| CO <sub>2</sub> Ambient       | 0.08  |
| subsurface pressure/vacuum    | (+/- inches of water column)  |
| Pre-Sample: O <sub>2</sub>    | 20.8  |
| Pre-Sample CO <sub>2</sub> :  | 0.43  |
| Pre-Sample PID:               | 0.0   |
| Pre-Sample CH <sub>4</sub> :  | 0.0 (% Volume, %LEL, PPM)   |
| Sample Initiation Time:       | 9:47  |
| Initial Vacuum:               | -26   |
| Sample End Time:              | 9:48  |
| Final Vacuum:                 | 0.0   |
| Post Sample O <sub>2</sub> :  | 20.4  |
| Post Sample CO <sub>2</sub> : | 0.44  |



Notes:

**Soil Gas Sampling Field Sheet**  
Maine DEP

|                               |   |
|-------------------------------|---|
| Site Name:                    | CHRISTIE'S  |
| Town:                         | CARLISLE  |
| Date:                         | 4'  |
| Sample I.D.:                  | SV-105-4  |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br>(Receptor) (Other) |
| Sampling Personnel:           | CRESSMAN  |
| Project Manager               | ERIN TA   |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |
| Sample Penetration Location:  | (Ashphalt) (Concrete) (Soil)                          |
| Soil Type:                    | (Fill) (Till) (Sand & Gravel)<br>(Glacial Marine)     |
| Sample Depth:                 | 4'  |
| Depth to Water:               | 20'   |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 158   |
| Flow Control I.D.:            | 0272  |
| Flow control rate:            | 72  |
| O <sub>2</sub> Ambient        | 20.8  |
| CO <sub>2</sub> Ambient       | 0.07  |
| subsurface pressure/vacuum    | (+/- inches of water column)                          |
| Pre-Sample: O <sub>2</sub>    | 20.1  |
| Pre-Sample CO <sub>2</sub> :  | 0.99  |
| Pre-Sample PID:               | 0.0   |
| Pre-Sample CH <sub>4</sub> :  | 0.2 (% Volume, %LEL, PPM)                             |
| Sample Initiation Time:       | 10:49   |
| Initial Vacuum:               | -26   |
| Sample End Time:              | 11:11   |
| Final Vacuum:                 | -3  |
| Post Sample O <sub>2</sub> :  | 20.1  |
| Post Sample CO <sub>2</sub> : | 1.02  |

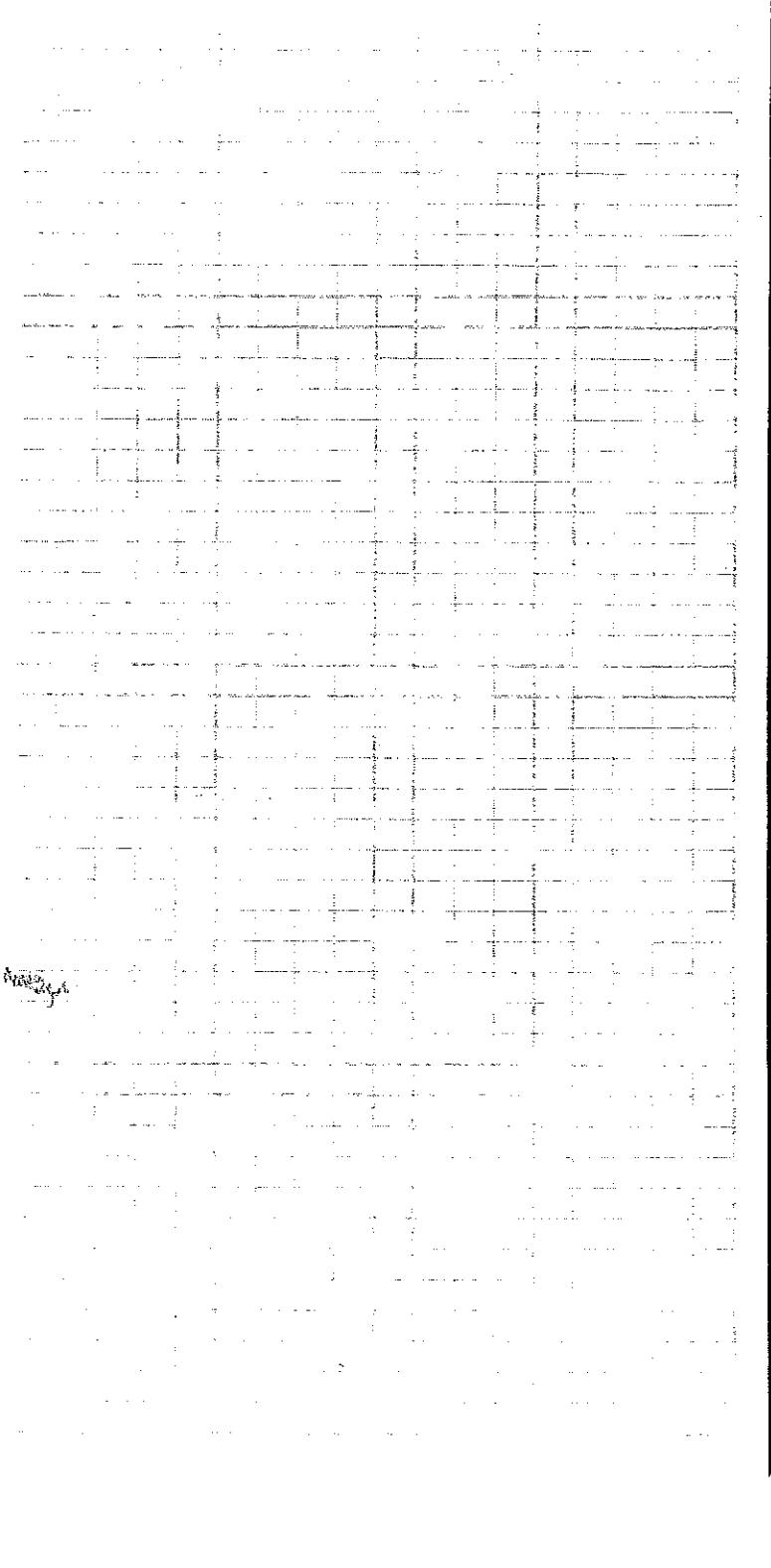
**Sample Location Sketch**

Notes:

**Soil Gas Sampling Field Sheet**  
**Maine DEP**

|                               |   |       |
|-------------------------------|---|-------|
| Site Name:                    | CHARLIE'S   |       |
| Town:                         | Lewiston  |       |
| Date:                         | 12-21-10  |       |
| Sample I.D.:                  | SV-105-11   |       |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br>(Receptor) (Other) |       |
| Sampling Personnel:           | Cresson   |       |
| Project Manager               | Elmira  |       |
| Collection Device:            | Summa Can (Tedlar Bag)                                |       |
| Sample Penetration Location:  | (Asphalt) (Concrete) (Soil)                           |       |
| Soil Type:                    | (Fill) (Till) - (Sand & Gravel)<br>(Glacial Marine)   |       |
| Sample Depth:                 | 11'   |       |
| Depth to Water:               | 20'   |       |
| Suspected COCs:               | (Petroleum) (Solvents)                                |       |
| Cannister I.D.:               | 11476   | 11549 |
| Flow Control I.D.:            | 0077  | 0407  |
| Flow control rate:            | 68  | 72    |
| O <sub>2</sub> Ambient        | 20.8  |       |
| CO <sub>2</sub> Ambient       | 0.08  |       |
| subsurface pressure/vacuum    | (+/- inches of water column)                          |       |
| Pre-Sample: O <sub>2</sub>    | 26.1  |       |
| Pre-Sample CO <sub>2</sub> :  | 1.54  |       |
| Pre-Sample PID:               | 0.3   |       |
| Pre-Sample CH <sub>4</sub> :  | 0.0 (% Volume, %LEL, PPM)                             |       |
| Sample Initiation Time:       | 11:07   |       |
| Initial Vacuum:               | -230  | -28   |
| Sample End Time:              | 11:46   | 11:40 |
| Final Vacuum:                 | -3  | -1    |
| Post Sample O <sub>2</sub> :  | 20.1  |       |
| Post Sample CO <sub>2</sub> : | 1.46  |       |

**Sample Location Sketch**



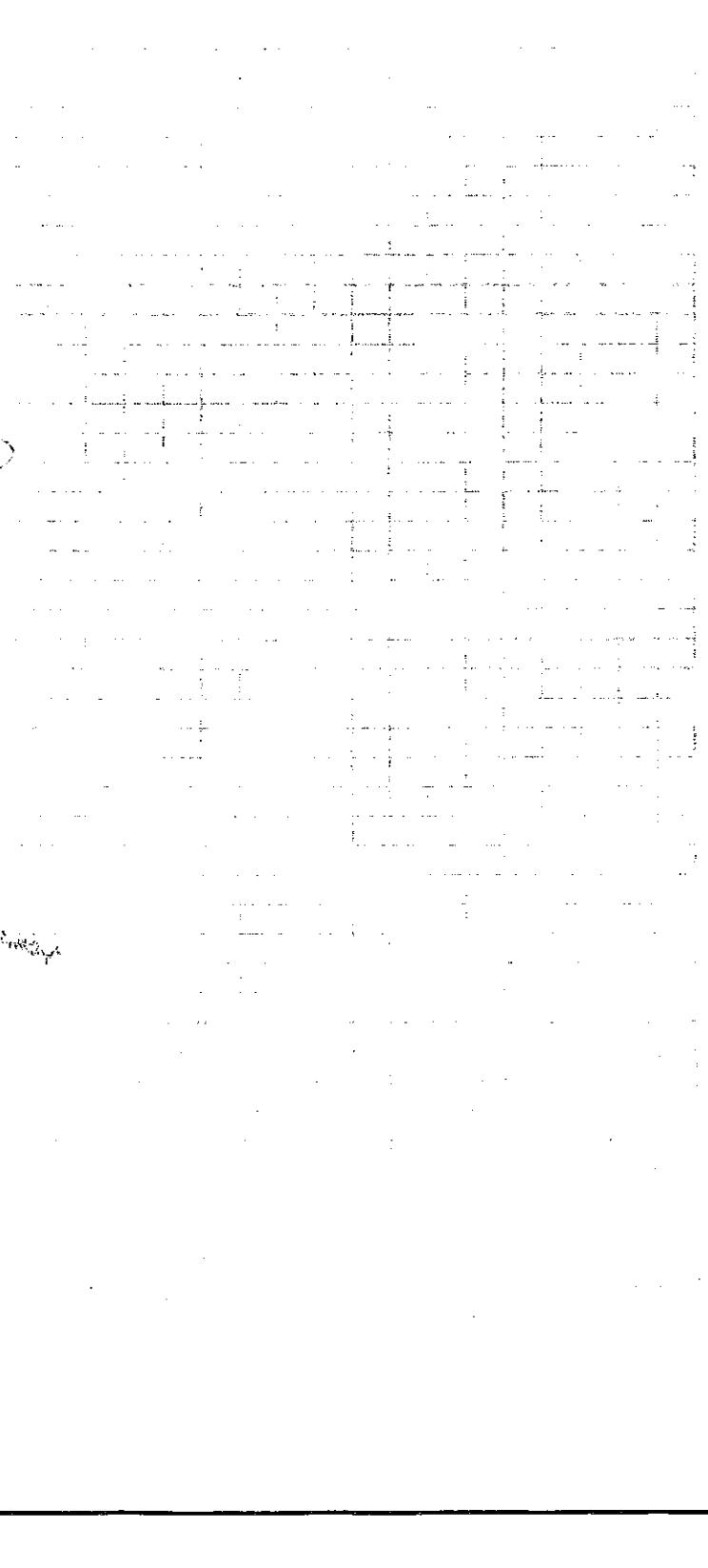
Notes:

## Soil Gas Sampling Field Sheet

Maine DEP

|                               |   |
|-------------------------------|---|
| Site Name:                    | CHRISTIE'S  |
| Town:                         | Lewiston  |
| Date:                         | 12-21-10  |
| Sample I.D.:                  | SV-104-4  |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br>(Receptor) (Other) |
| Sampling Personnel:           | CRESSY  |
| Project Manager               | KAREN KTA   |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |
| Sample Penetration Location:  | (Ashphalt) (Concrete) (Soil)                          |
| Soil Type:                    | (Fill) (Till) (Sand & Gravel)<br>(Glacial Marine)     |
| Sample Depth:                 | 4'  |
| Depth to Water:               | 9.8'  |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 358   |
| Flow Control I.D.:            | 0123  |
| Flow control rate:            | 66  |
| O <sub>2</sub> Ambient        | 20.8  |
| CO <sub>2</sub> Ambient       | 0.10  |
| subsurface pressure/vacuum    | (+/- inches of water column)                          |
| Pre-Sample: O <sub>2</sub>    | 20.4  |
| Pre-Sample CO <sub>2</sub> :  | 0.52  |
| Pre-Sample PID:               | 0.0   |
| Pre-Sample CH <sub>4</sub> :  | 0.0 (% Volume, %LEL, PPM)                             |
| Sample Initiation Time:       | 9:47  |
| Initial Vacuum:               | -29   |
| Sample End Time:              | 9:58  |
| Final Vacuum:                 | 0.0   |
| Post Sample O <sub>2</sub> :  | 20.4  |
| Post Sample CO <sub>2</sub> : | 0.53  |

## Sample Location Sketch



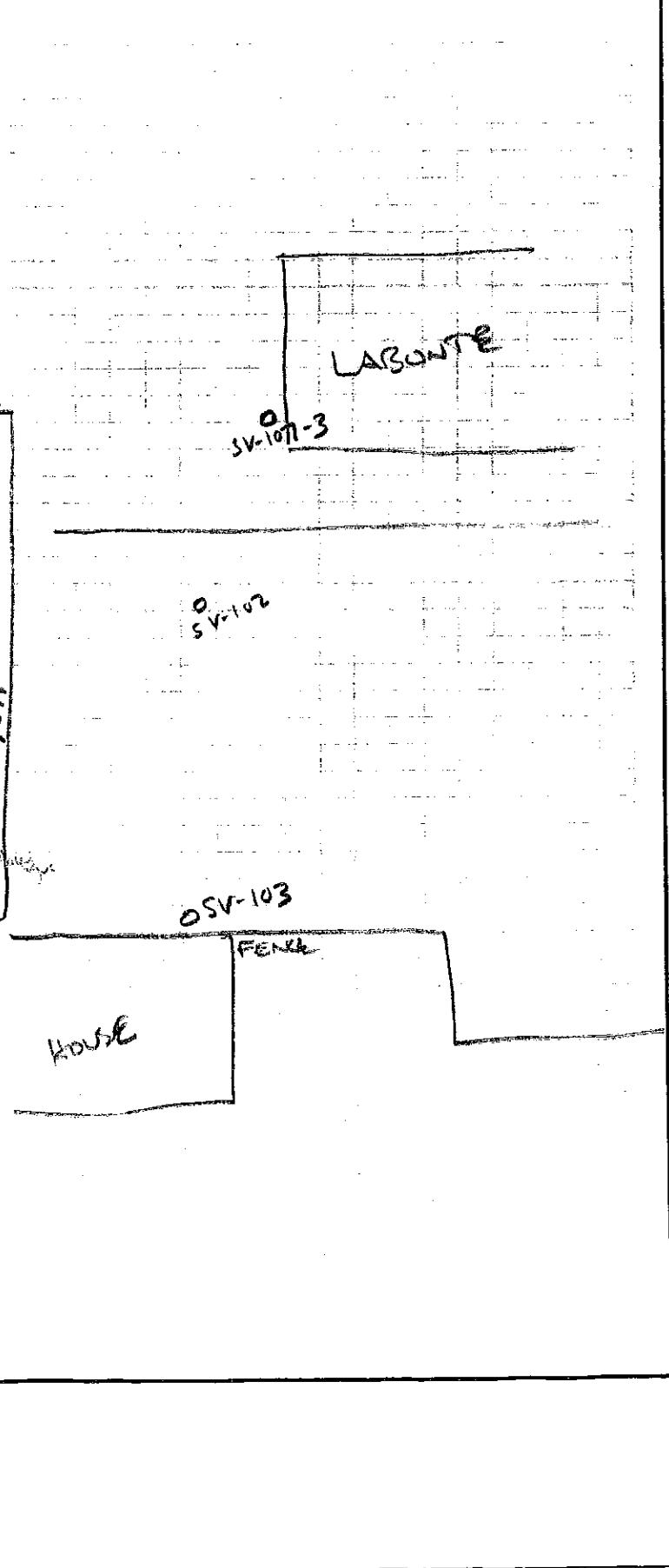
Notes:

## Soil Gas Sampling Field Sheet

Maine DEP

|                               |  |
|-------------------------------|--|
| Site Name:                    | CHESTIE'S  |
| Town:                         | LEWISTON   |
| Date:                         | 12-21-16   |
| Sample I.D.:                  | SV-107-3   |
| Sampling Purpose              | (Source) (Utility) (Mitigation)<br><u>(Receptor)</u> (Other) |
| Sampling Personnel:           | Cessey   |
| Project Manager               | Fleming  |
| Collection Device:            | (Summa Can) (Tedlar Bag)                                     |
| Sample Penetration Location:  | (Ashphalt) (Concrete) <u>(Soil)</u>                          |
| Soil Type:                    | (Fill) (Till) (Sand & Gravel)<br><u>(Glacial Marine)</u>     |
| Sample Depth:                 | 3'   |
| Depth to Water:               | 12.9'  |
| Suspected COCs:               | <u>(Petroleum)</u> (Solvents)                                |
| Cannister I.D.:               | 425  |
| Flow Control I.D.:            | 0052   |
| Flow control rate:            | 68   |
| O <sub>2</sub> Ambient        | 20.8   |
| CO <sub>2</sub> Ambient       | 0.10   |
| subsurface pressure/vacuum    | (+- inches of water column)                                  |
| Pre-Sample: O <sub>2</sub>    | 20.4   |
| Pre-Sample CO <sub>2</sub> :  | 0.41   |
| Pre-Sample PID:               | 0.0  |
| Pre-Sample CH <sub>4</sub> :  | 0.0 (% Volume, %LEL, PPM)                                    |
| Sample Initiation Time:       | 10:10  |
| Initial Vacuum:               | -30  |
| Sample End Time:              | 10:38  |
| Final Vacuum:                 | -4   |
| Post Sample O <sub>2</sub> :  | 20.4   |
| Post Sample CO <sub>2</sub> : | 0.42   |

## Sample Location Sketch

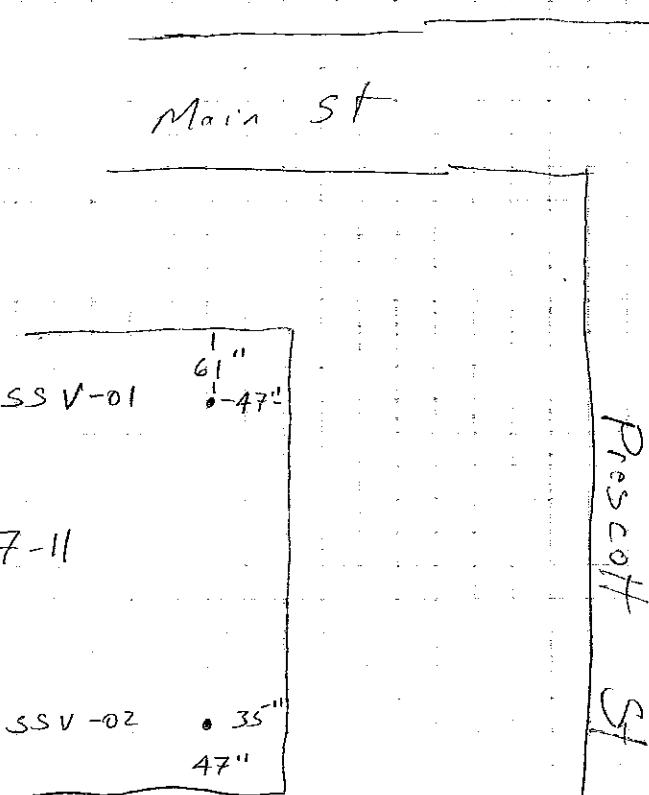


Notes:

Indoor Air/Subslab Sampling Field Sheet  
Maine DEP

|                               |   |
|-------------------------------|---|
| Site Name:                    | Christie's  |
| Town:                         | Lewiston  |
| Date:                         | 12-21-10  |
| Sample I.D.:                  | SS - V-01   |
| Project Manager:              | Peter Eremite   |
| Sampling Personnel:           | Garth Armstrong                                       |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |
| Sample Type:                  | (Subslab) (Indoor Air)                                |
| Sampling Location:            | Freezer   |
| Foundation Floor Type:        | (Dirt) (Concrete)                                     |
| Foundation Wall Type:         | (Concrete) (Block) (Stone)<br>(Brick) (Slab on Grade) |
| Sump Hole:                    | (Yes) (No)  |
| Penetrations in Floor:        | (Sewer) (Water) (Gas)<br>(Cracks) (Drains)            |
| Penetrations in Wall:         | (Sewer) (Water) (Gas)<br>(Electric) (Cracks)          |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 561   |
| Flow Control I.D.:            | 0211  |
| Flow control rate:            | 68  |
| O <sub>2</sub> Ambient        | 20.8  |
| CO <sub>2</sub> Ambient       | 0.18  |
| Pre-Sample: O <sub>2</sub>    | 19.7  |
| Pre-Sample CO <sub>2</sub> :  | 0.80  |
| Pre-Sample PID:               | 0,0   |
| Pre-Sample CH <sub>4</sub> :  | 0   |
| Sample Initiation Time:       | 12:20   |
| Initial Vacuum:               | -28   |
| Sample End Time:              | 12:55   |
| Final Vacuum:                 | -2  |
| Post Sample O <sub>2</sub> :  | 19.6  |
| Post Sample CO <sub>2</sub> : | 1.06  |

Sample Location Sketch



Notes/Observations:

Indoor Air/Subslab Sampling Field Sheet  
Maine DEP

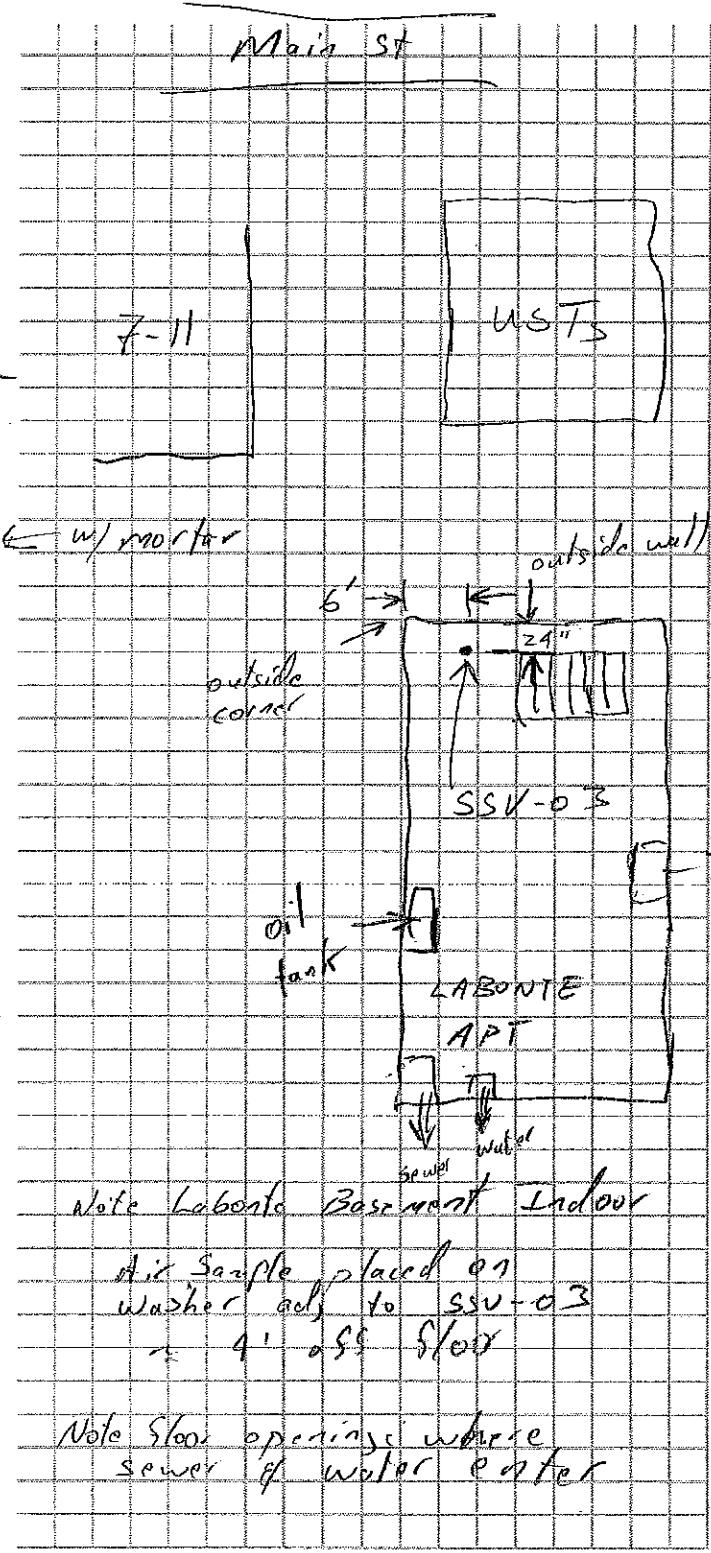
|                               |   |                        |
|-------------------------------|---|------------------------|
| Site Name:                    | <i>Christie's</i>   | Sample Location Sketch |
| Town:                         | <i>Lewiston</i>   |                        |
| Date:                         | <i>12-21-10</i>   |                        |
| Sample I.D.:                  | <i>SSV-02</i>   |                        |
| Project Manager:              | <i>Peter Emerita</i>  |                        |
| Sampling Personnel:           | <i>Gary Armstrong</i>   |                        |
| Collection Device:            | <i>(Summa Can) (Tedlar Bag)</i>                               |                        |
| Sample Type:                  | <i>(Subslab) (Indoor Air)</i>                                 |                        |
| Sampling Location:            | <i>Freezer</i>  |                        |
| Foundation Floor Type:        | <i>(Dirt) (Concrete)</i>                                      |                        |
| Foundation Wall Type:         | <i>(Concrete) (Block) (Stone)<br/>(Brick) (Slab on Grade)</i> |                        |
| Sump Hole:                    | <i>(Yes) (No)</i>   |                        |
| Penetrations in Floor:        | <i>(Sewer) (Water) (Gas)<br/>(Cracks) (Drains)</i>            |                        |
| Penetrations in Wall:         | <i>(Sewer) (Water) (Gas)<br/>(Electric) (Cracks)</i>          |                        |
| Suspected COCs:               | <i>(Petroleum) (Solvents)</i>                                 |                        |
| Cannister I.D.:               | <i>202</i>  |                        |
| Flow Control I.D.:            | <i>0297</i>   |                        |
| Flow control rate:            | <i>72</i>   |                        |
| O <sub>2</sub> Ambient        | <i>20.8</i>   |                        |
| CO <sub>2</sub> Ambient       | <i>0.19</i>   |                        |
| Pre-Sample O <sub>2</sub> :   | <i>19.1</i>   |                        |
| Pre-Sample CO <sub>2</sub> :  | <i>1.26</i>   |                        |
| Pre-Sample PID:               | <i>0.0</i>  |                        |
| Pre-Sample CH <sub>4</sub> :  | <i>0</i>  |                        |
| Sample Initiation Time:       | <i>12:30</i>  |                        |
| Initial Vacuum:               | <i>-28</i>  |                        |
| Sample End Time:              | <i>12:57</i>  |                        |
| Final Vacuum:                 | <i>-4</i>   |                        |
| Post Sample O <sub>2</sub> :  | <i>19.1</i>   |                        |
| Post Sample CO <sub>2</sub> : | <i>1.46</i>   |                        |
| Notes/Observations:           |   |                        |

## Indoor Air/Subslab Sampling Field Sheet

Maine DEP

|                               |   |
|-------------------------------|---|
| Site Name:                    | 7-11  |
| Town:                         | Lewiston  |
| Date:                         | 12/21/10  |
| Sample I.D.:                  | SSV-03  |
| Project Manager:              |   |
| Sampling Personnel:           | PME, John Crossy<br>Garth Armstrong                   |
| Collection Device:            | (Summa Can) (Tedlar Bag)                              |
| Sample Type:                  | (Subslab) (Indoor Air)                                |
| Sampling Location:            | LABONTE BASEMENT<br>SUBSLAB                           |
| Foundation Floor Type:        | (Dirt) (Concrete)                                     |
| Foundation Wall Type:         | (Concrete) (Block) (Stone)<br>(Brick) (Slab on Grade) |
| Sump Hole:                    | (Yes) (No)  |
| Penetrations in Floor:        | (Sewer) (Water) (Gas) (Cracks)<br>(Drains)            |
| Penetrations in Wall:         | (Sewer) (Water) (Gas)<br>(Electric) (Cracks)          |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 536   |
| Flow Control I.D.:            | 0379  |
| Flow control rate:            |   |
| O <sub>2</sub> Ambient        | 20.8% Vol Altair                                      |
| CO <sub>2</sub> Ambient       | 0.11% Vol Altair                                      |
| Pre-Sample: O <sub>2</sub>    | 20.8  |
| Pre-Sample CO <sub>2</sub> :  | 0.09  |
| Pre-Sample PID:               | 35 ppm  |
| Pre-Sample CH <sub>4</sub> :  | 0 % LEL   |
| Sample Initiation Time:       | 10:29 AM  |
| Initial Vacuum:               | -30" Hg   |
| Sample End Time:              | 11:00   |
| Final Vacuum:                 | -5" Hg  |
| Post Sample O <sub>2</sub> :  | 20.8  |
| Post Sample CO <sub>2</sub> : | 0.10  |

## Sample Location Sketch



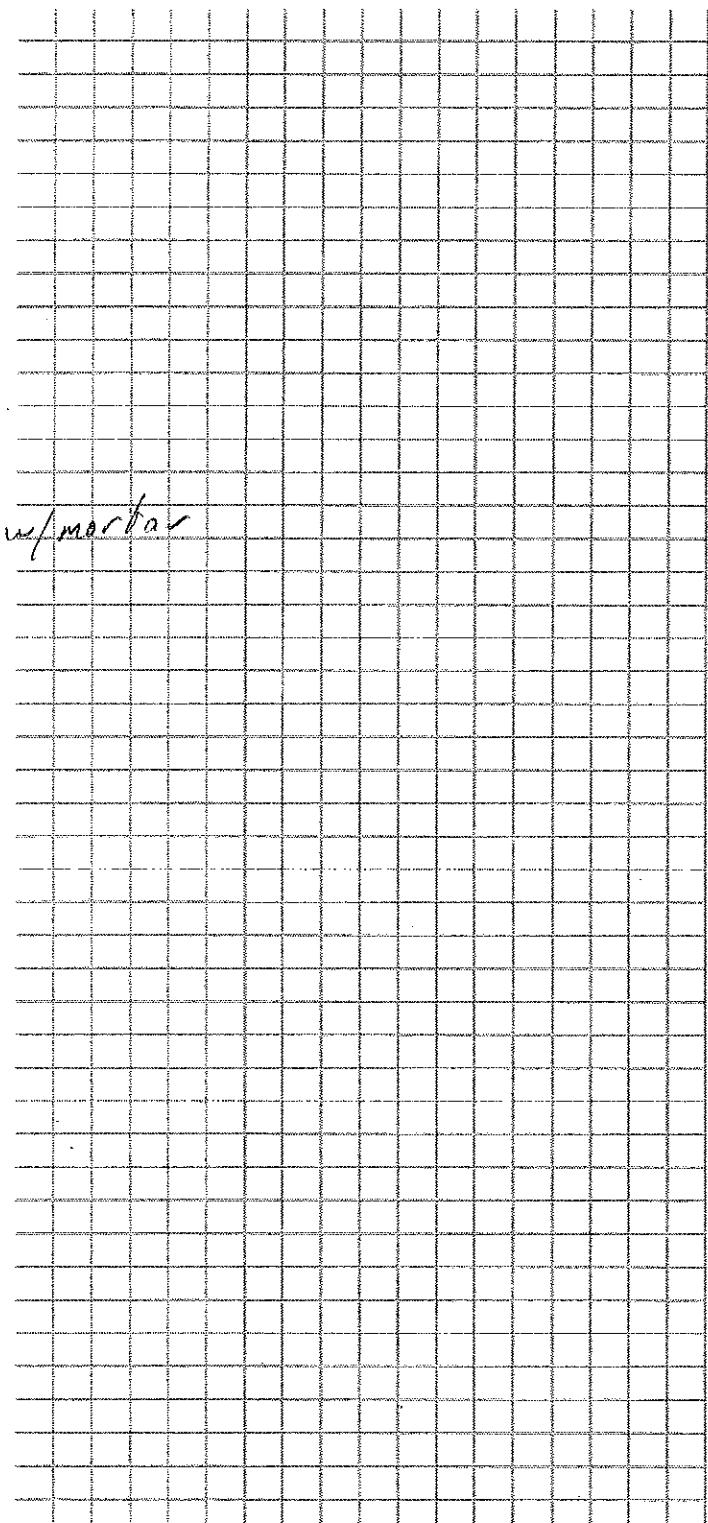
## Notes/Observations:

START PURGE @ 10:15 AM @ peristaltic setting of ~200ml/min  
Stop @ 10:21

**Indoor Air/Subslab Sampling Field Sheet**  
**Maine DEP**

|                               |   |
|-------------------------------|---|
| Site Name:                    | 7-11  |
| Town:                         | Lewiston  |
| Date:                         | 12/21/10  |
| Sample I.D.:                  | Labonte Basement                                      |
| Project Manager:              |   |
| Sampling Personnel:           | PME SC GA   |
| Collection Device:            | (Summa Can) (Teflar Bag)                              |
| Sample Type:                  | (Subslab) (Indoor Air)                                |
| Sampling Location:            | Near SSV-03<br>on top was her                         |
| Foundation Floor Type:        | (Dirt) (Concrete)                                     |
| Foundation Wall Type:         | (Concrete) (Block) (Stone)<br>(Brick) (Slab on Grade) |
| Sump Hole:                    | (Yes) (No)  |
| Penetrations in Floor:        | (Sewer) (Water) (Gas) (Cracks)<br>(Drains)            |
| Penetrations in Wall:         | (Sewer) (Water) (Gas)<br>(Electric) (Cracks)          |
| Suspected COCs:               | (Petroleum) (Solvents)                                |
| Cannister I.D.:               | 325   |
| Flow Control I.D.:            | 0049  |
| Flow control rate:            |   |
| O <sub>2</sub> Ambient        | 20.8 % Vol  |
| CO <sub>2</sub> Ambient       | 0.11 % Vol  |
| Pre-Sample O <sub>2</sub> :   | 20.8  |
| Pre-Sample CO <sub>2</sub> :  | 0.11  |
| Pre-Sample PID:               | 0.0 ppm   |
| Pre-Sample CH <sub>4</sub> :  | 0% LEL  |
| Sample Initiation Time:       | 10:34 AM  |
| Initial Vacuum:               | -30" Hg   |
| Sample End Time:              | 11:03   |
| Final Vacuum:                 | -4.5" Hg  |
| Post Sample O <sub>2</sub> :  | 20.8  |
| Post Sample CO <sub>2</sub> : | 0.10  |

**Sample Location Sketch**



Notes/Observations:

## ***Appendix C***

### **Laboratory Reports**



environmental  
laboratory LLC

195 Commerce Way Suite E  
Portsmouth, New Hampshire 03801  
603-436-5111 Fax 603-430-2151  
800-929-9906  
[www.analyticslab.com](http://www.analyticslab.com)

Mr. Herb Kodis  
Maine Environmental Laboratory, Inc.  
PO Box 1107  
Yarmouth, ME 04096-1107

**Report Number: 67946**

**Revision: Rev. 0**

**Re: DEP 2503-10**

Enclosed are the results of the analyses on your sample(s). Samples were received on 04 October 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

| <u>Lab Number</u> | <u>Sample Date</u> | <u>Station Location</u> | <u>Analysis</u>                 | <u>Comments</u> |
|-------------------|--------------------|-------------------------|---------------------------------|-----------------|
| 67946-1           | 09/29/10           | MW-101                  | Volatile Petroleum Hydrocarbons |                 |
| 67946-2           | 09/29/10           | SV-105 8-12'            | Volatile Petroleum Hydrocarbons |                 |
| 67946-3           | 09/29/10           | MW-106                  | Volatile Petroleum Hydrocarbons |                 |
| 67946-4           | 09/29/10           | B-103 16-20'            | Volatile Petroleum Hydrocarbons |                 |
| 67946-5           | 09/29/10           | MW-103                  | Volatile Petroleum Hydrocarbons |                 |
| 67946-6           | 09/29/10           | MW-102                  | Volatile Petroleum Hydrocarbons |                 |
| 67946-7           | 09/29/10           | Trip Blank              | Electronic Data Deliverable     |                 |
|                   | 09/29/10           | Trip Blank              | Volatile Petroleum Hydrocarbons |                 |

**Sample Receipt Exceptions:** None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Department of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature

Stephen L. Knollmeyer Lab. Director

Date

**This report shall not be reproduced, except in full, without the written  
consent of Analytics Environmental Laboratory, LLC.**

Mr. Herb Kodis  
 Maine Environmental Laboratory, Inc.  
 PO Box 1107  
 Yarmouth, ME 04096-1107

October 13, 2010

#### SAMPLE DATA

**CLIENT SAMPLE ID**

---

Project Name: DEP 2503-10

Project Number:

Client Sample ID: MW-101

|                   |          |
|-------------------|----------|
| Lab Sample ID:    | 67946-1  |
| Matrix:           | Aqueous  |
| Percent Solid:    | N/A      |
| Dilution Factor:  | 50       |
| Collection Date:  | 09/29/10 |
| Lab Receipt Date: | 10/04/10 |
| Analysis Date:    | 10/06/10 |

#### VPH ANALYTICAL RESULTS

| RANGE/TARGET ANALYTE                          | Elution Range | RL   | Units | Result  |
|---|---------------|------|-------|---------|
| Unadjusted C5-C8 Aliphatics                   | N/A           | 2500 | µg/L  | 44400   |
| Unadjusted C9-C12 Aliphatics                  | N/A           | 2500 | µg/L  | 33600   |
| Benzene                                       | C5-C8         | 100  | µg/L  | 8330    |
| Ethylbenzene                                  | C9-C12        | 100  | µg/L  | 2860    |
| Methyl-tert-butyl ether                       | C5-C8         | 100  | µg/L  | 957     |
| Naphthalene                                   | N/A           | 100  | µg/L  | 357     |
| Toluene                                       | C5-C8         | 100  | µg/L  | 12000   |
| m- & p-Xylenes                                | C9-C12        | 200  | µg/L  | 8690    |
| o-Xylene                                      | C9-C12        | 100  | µg/L  | 3340    |
| C5-C8 Aliphatics Hydrocarbons <sup>1,2</sup>  | N/A           | 2500 | µg/L  | 23100   |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 2500 | µg/L  | 12500   |
| C9-C10 Aromatic Hydrocarbons                  | N/A           | 500  | µg/L  | 6200    |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |      |       | 81      |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |      |       | 78      |
| Surrogate Acceptance Range                    |               |      |       | 70-130% |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.

RL = Report Limit

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1  
 May 2004.

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

Authorized signature: 

Data Path : C:\msdchem\1\DATA\100610-K\

Data File : K29214.D

Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH

Acq On : 06 Oct 2010 10:01 pm

Operator : JJL

Sample : 67946-1,50X

Misc : 100

ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e

Integration File signal 2: autoint2.e

Quant Time: Oct 07 12:02:47 2010

Quant Method : C:\msdchem\1\METHODS\VPH072210.M

Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004

QLast Update : Fri Jul 23 15:04:23 2010

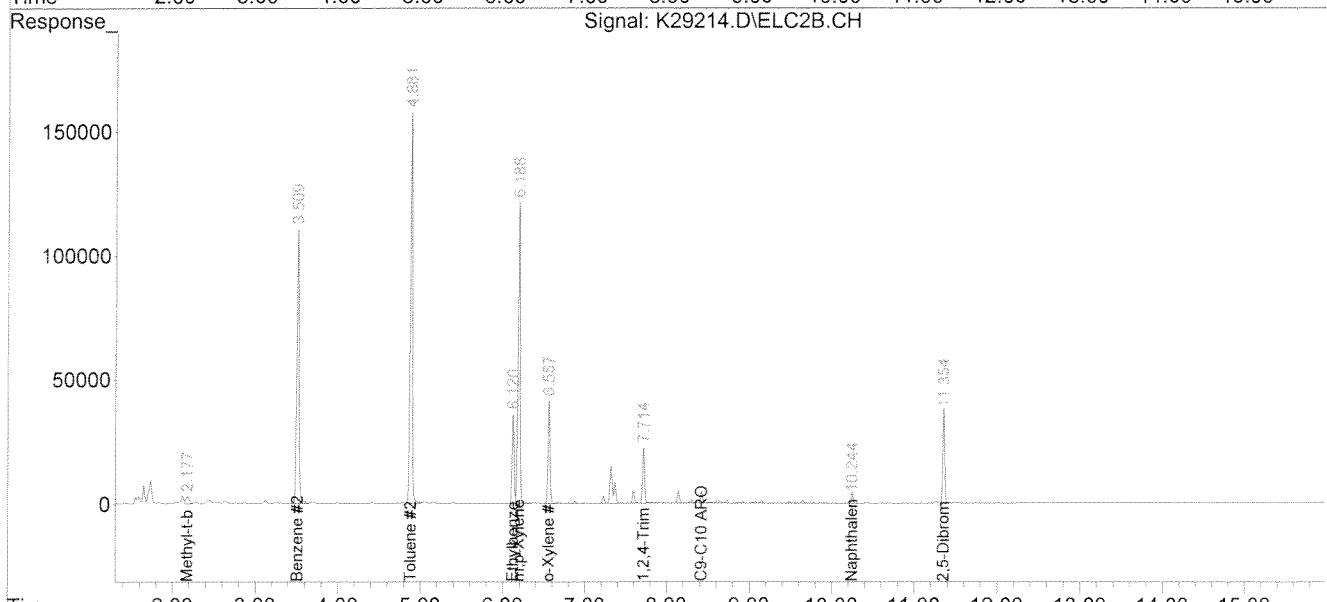
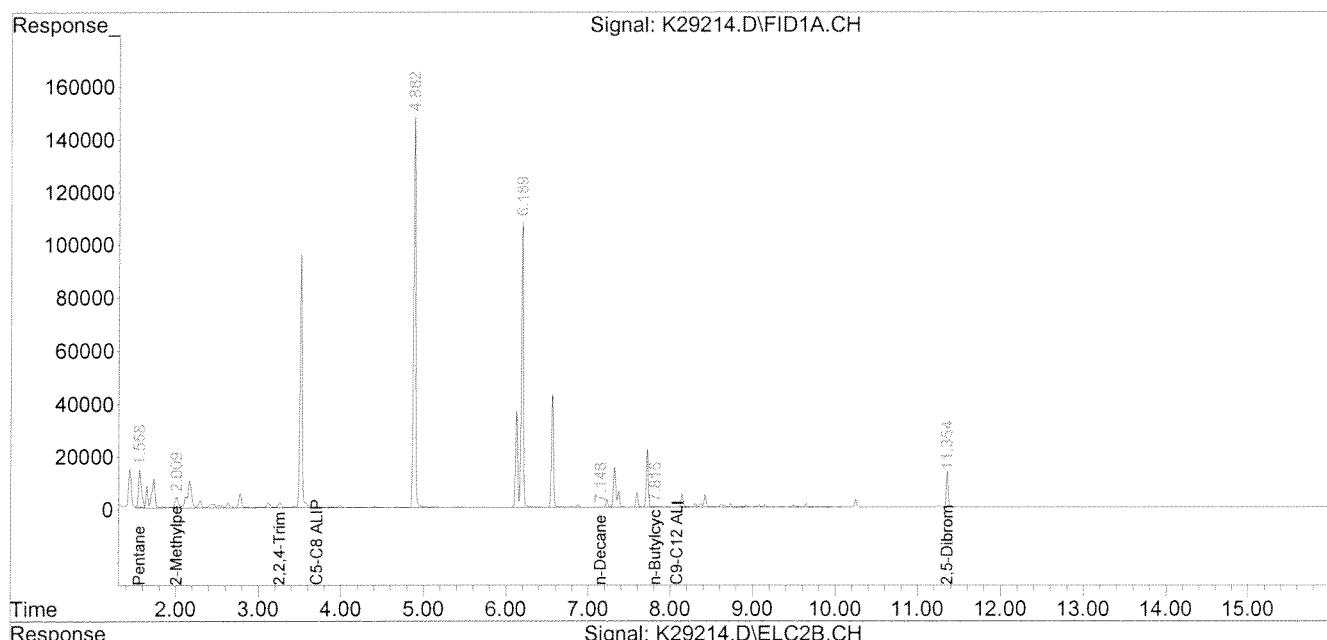
Response via : Initial Calibration

Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :

Signal #1 Phase : Signal #2 Phase:

Signal #1 Info : Signal #2 Info :



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October 13, 2010

#### SAMPLE DATA

**CLIENT SAMPLE ID**

---

**Project Name:** DEP 2503-10

**Project Number:**

**Client Sample ID:** SV-105 8-12'

|                          |          |
|--------------------------|----------|
| <b>Lab Sample ID:</b>    | 67946-2  |
| <b>Matrix:</b>           | Solid    |
| <b>Percent Solid:</b>    | 81       |
| <b>Dilution Factor:</b>  | 87       |
| <b>Collection Date:</b>  | 09/29/10 |
| <b>Lab Receipt Date:</b> | 10/04/10 |
| <b>Analysis Date:</b>    | 10/06/10 |

| VPH ANALYTICAL RESULTS                        |               |      |       |              |
|---|---------------|------|-------|--------------|
| RANGE/TARGET ANALYTE                          | Elution Range | RL   | Units | Result       |
| Unadjusted C5-C8 Aliphatics <sup>1</sup>      | N/A           | 4350 | µg/kg | U            |
| Unadjusted C9-C12 Aliphatics <sup>1</sup>     | N/A           | 4350 | µg/kg | <b>9520</b>  |
| Benzene                                       | C5-C8         | 170  | µg/kg | U            |
| Ethylbenzene                                  | C9-C12        | 170  | µg/kg | <b>115 J</b> |
| Methyl-tert-butyl ether                       | C5-C8         | 170  | µg/kg | <b>141 J</b> |
| Naphthalene                                   | N/A           | 170  | µg/kg | <b>220</b>   |
| Toluene                                       | C5-C8         | 170  | µg/kg | U            |
| m- & p-Xylenes                                | C9-C12        | 350  | µg/kg | U            |
| o-Xylene                                      | C9-C12        | 170  | µg/kg | U            |
| C5-C8 Aliphatics Hydrocarbons <sup>1,2</sup>  | N/A           | 4350 | µg/kg | U            |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 4350 | µg/kg | <b>6050</b>  |
| C9-C10 Aromatic Hydrocarbons                  | N/A           | 870  | µg/kg | <b>3360</b>  |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |      |       | 110          |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |      |       | 120          |
| Surrogate Acceptance Range                    |               |      |       | 70-130%      |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.  
<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range  
<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.

RL = Report Limit  
 U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1  
 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.  
 Results are expressed on a moisture corrected and dry weight basis.

Authorized signature: 

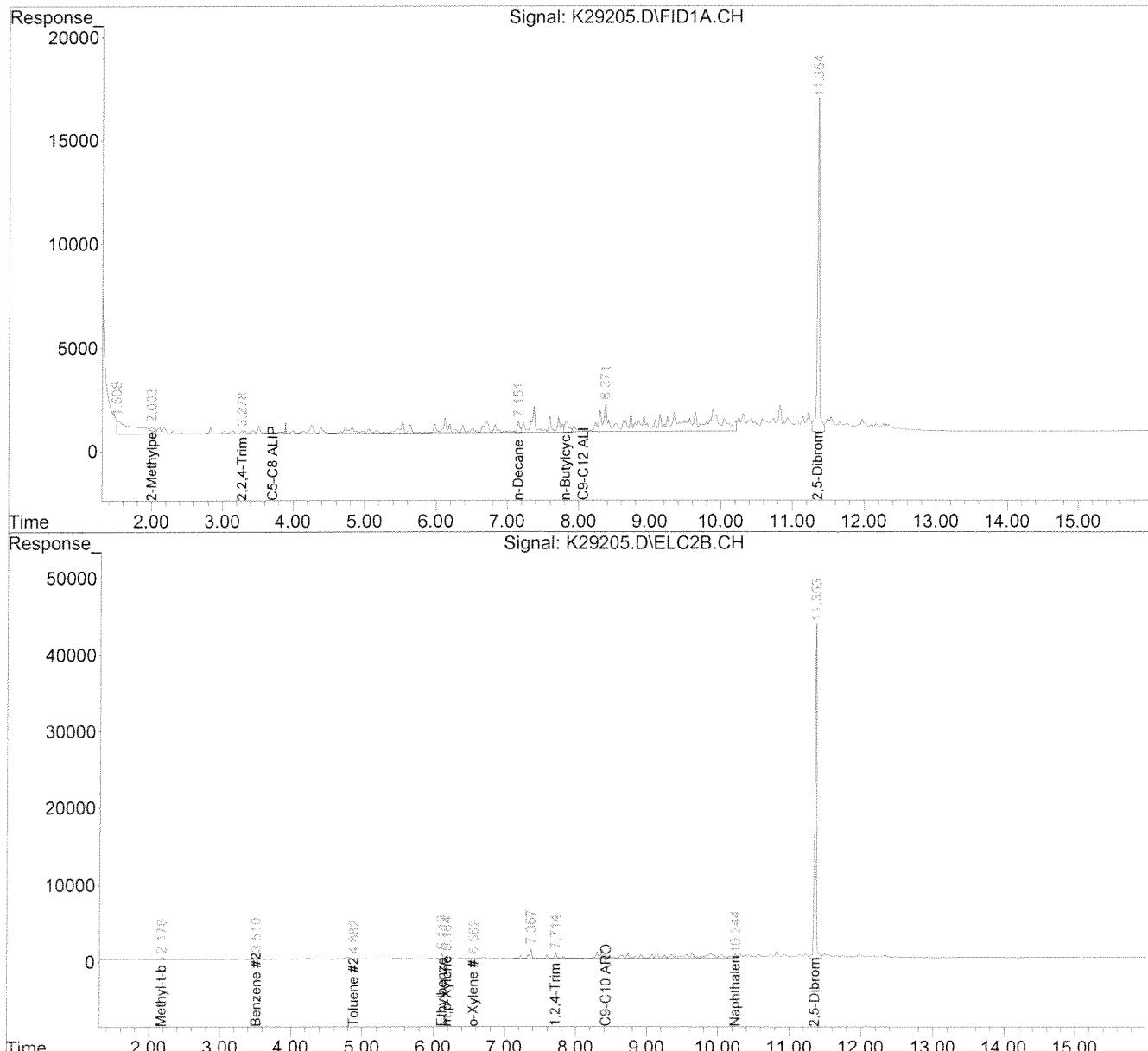
Data Path : C:\msdchem\1\DATA\100610-K\  
Data File : K29205.D  
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH  
Acq On : 06 Oct 2010 6:19 pm  
Operator : JJL  
Sample : 67946-2  
Misc : 100,8.10,SOIL  
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 11:50:44 2010  
Quant Method : C:\msdchem\1\METHODS\VPH072210.M  
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004  
QLast Update : Fri Jul 23 15:04:23 2010  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :

Signal #1 Phase : Signal #2 Phase:

Signal #1 Info : Signal #2 Info :



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October 13, 2010

#### SAMPLE DATA

**CLIENT SAMPLE ID**

---

Project Name: DEP 2503-10

Project Number:

Client Sample ID: MW-106

|                   |          |
|-------------------|----------|
| Lab Sample ID:    | 67946-3  |
| Matrix:           | Aqueous  |
| Percent Solid:    | N/A      |
| Dilution Factor:  | 5        |
| Collection Date:  | 09/29/10 |
| Lab Receipt Date: | 10/04/10 |
| Analysis Date:    | 10/06/10 |

#### VPH ANALYTICAL RESULTS

| RANGE/TARGET ANALYTE                          | Elution Range | RL  | Units | Result      |
|---|---------------|-----|-------|-------------|
| Unadjusted C5-C8 Aliphatics <sup>1</sup>      | N/A           | 250 | µg/L  | <b>2260</b> |
| Unadjusted C9-C12 Aliphatics <sup>1</sup>     | N/A           | 250 | µg/L  | <b>1680</b> |
| Benzene                                       | C5-C8         | 10  | µg/L  | <b>9 J</b>  |
| Ethylbenzene                                  | C9-C12        | 10  | µg/L  | <b>49</b>   |
| Methyl-tert-butyl ether                       | C5-C8         | 10  | µg/L  | <b>50</b>   |
| Naphthalene                                   | N/A           | 10  | µg/L  | U           |
| Toluene                                       | C5-C8         | 10  | µg/L  | U           |
| m- & p-Xylenes                                | C9-C12        | 20  | µg/L  | U           |
| o-Xylene                                      | C9-C12        | 10  | µg/L  | U           |
| C5-C8 Aliphatics Hydrocarbons <sup>1,2</sup>  | N/A           | 250 | µg/L  | <b>2200</b> |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 250 | µg/L  | <b>783</b>  |
| C9-C10 Aromatic Hydrocarbons <sup>1</sup>     | N/A           | 50  | µg/L  | <b>847</b>  |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |     |       | 89          |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |     |       | 86          |
| Surrogate Acceptance Range                    |               |     |       | 70-130%     |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.

RL = Report Limit

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1  
 May 2004.

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

Authorized signature: Mr. Herb Kodis

Data Path : C:\msdchem\1\DATA\100610-K\

Data File : K29208.D

Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH

Acq On : 06 Oct 2010 7:33 pm

Operator : JJL

Sample : 67946-3,5X

Misc : 1000

ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e

Integration File signal 2: autoint2.e

Quant Time: Oct 07 11:55:36 2010

Quant Method : C:\msdchem\1\METHODS\VPH072210.M

Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004

QLast Update : Fri Jul 23 15:04:23 2010

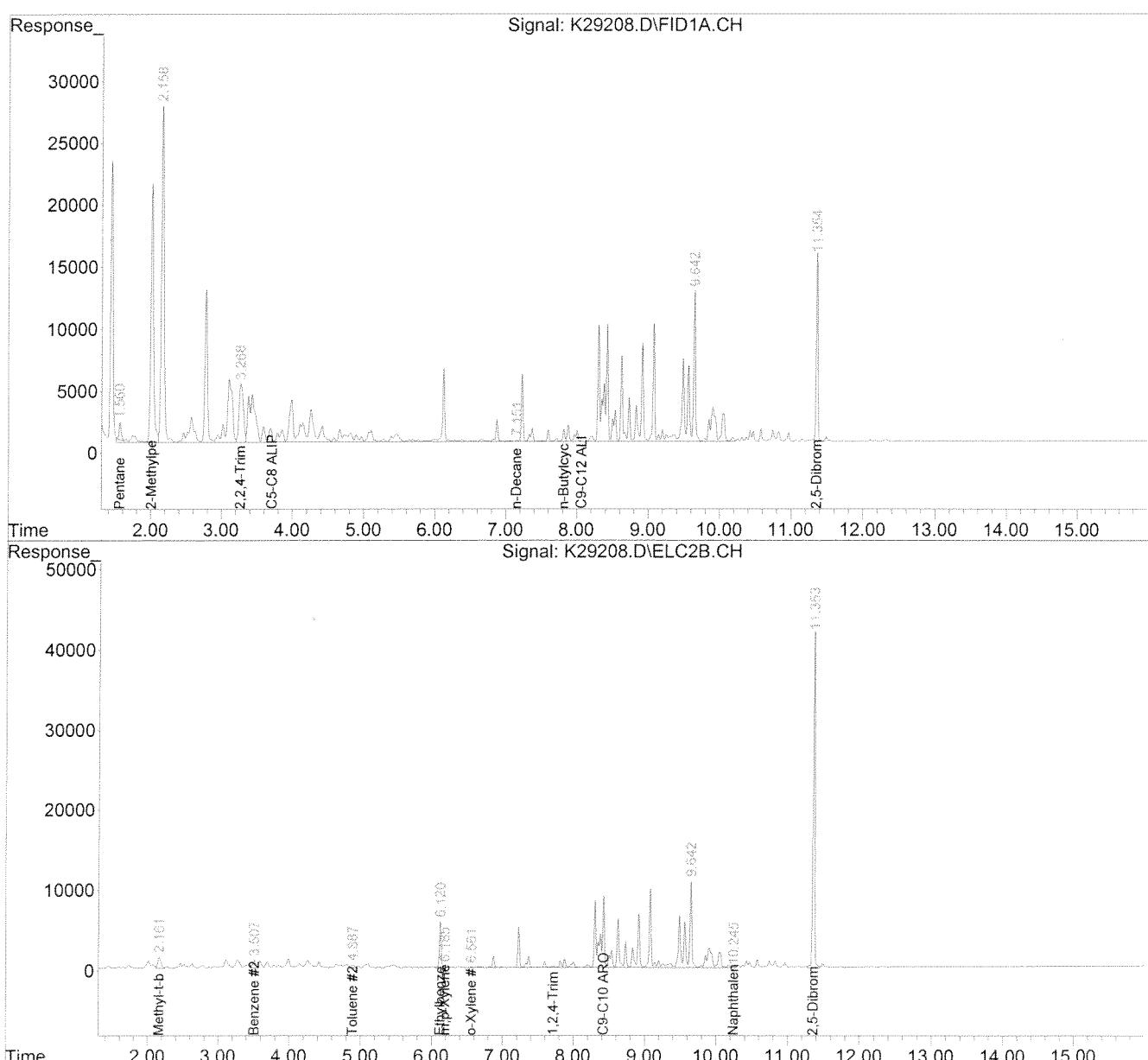
Response via : Initial Calibration

Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :

Signal #1 Phase : Signal #2 Phase:

Signal #1 Info : Signal #2 Info :



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October 13, 2010

**CLIENT SAMPLE ID**

**Project Name:** DEP 2503-10

**Project Number:**

**Client Sample ID:** B-103 16-20'

**SAMPLE DATA**

|                          |          |
|--------------------------|----------|
| <b>Lab Sample ID:</b>    | 67946-4  |
| <b>Matrix:</b>           | Solid    |
| <b>Percent Solid:</b>    | 80       |
| <b>Dilution Factor:</b>  | 76       |
| <b>Collection Date:</b>  | 09/29/10 |
| <b>Lab Receipt Date:</b> | 10/04/10 |
| <b>Analysis Date:</b>    | 10/06/10 |

**VPH ANALYTICAL RESULTS**

| RANGE/TARGET ANALYTE                          | Elution Range | RL   | Units | Result       |
|---|---------------|------|-------|--------------|
| Unadjusted C5-C8 Aliphatics <sup>1</sup>      | N/A           | 3800 | µg/kg | <b>61800</b> |
| Unadjusted C9-C12 Aliphatics <sup>1</sup>     | N/A           | 3800 | µg/kg | <b>56500</b> |
| Benzene                                       | C5-C8         | 150  | µg/kg | <b>133 J</b> |
| Ethylbenzene                                  | C9-C12        | 150  | µg/kg | <b>1360</b>  |
| Methyl-tert-butyl ether                       | C5-C8         | 150  | µg/kg | <b>272</b>   |
| Naphthalene                                   | N/A           | 150  | µg/kg | <b>391</b>   |
| Toluene                                       | C5-C8         | 150  | µg/kg | <b>126 J</b> |
| m- & p-Xylenes                                | C9-C12        | 300  | µg/kg | <b>1930</b>  |
| o-Xylene                                      | C9-C12        | 150  | µg/kg | <b>155</b>   |
| C5-C8 Aliphatics Hydrocarbons <sup>1,2</sup>  | N/A           | 3800 | µg/kg | <b>61200</b> |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 3800 | µg/kg | <b>29500</b> |
| C9-C10 Aromatic Hydrocarbons <sup>1</sup>     | N/A           | 760  | µg/kg | <b>23500</b> |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |      |       | 110          |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |      |       | 110          |
| Surrogate Acceptance Range                    |               |      |       | 70-130%      |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.

RL = Report Limit

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1  
 May 2004

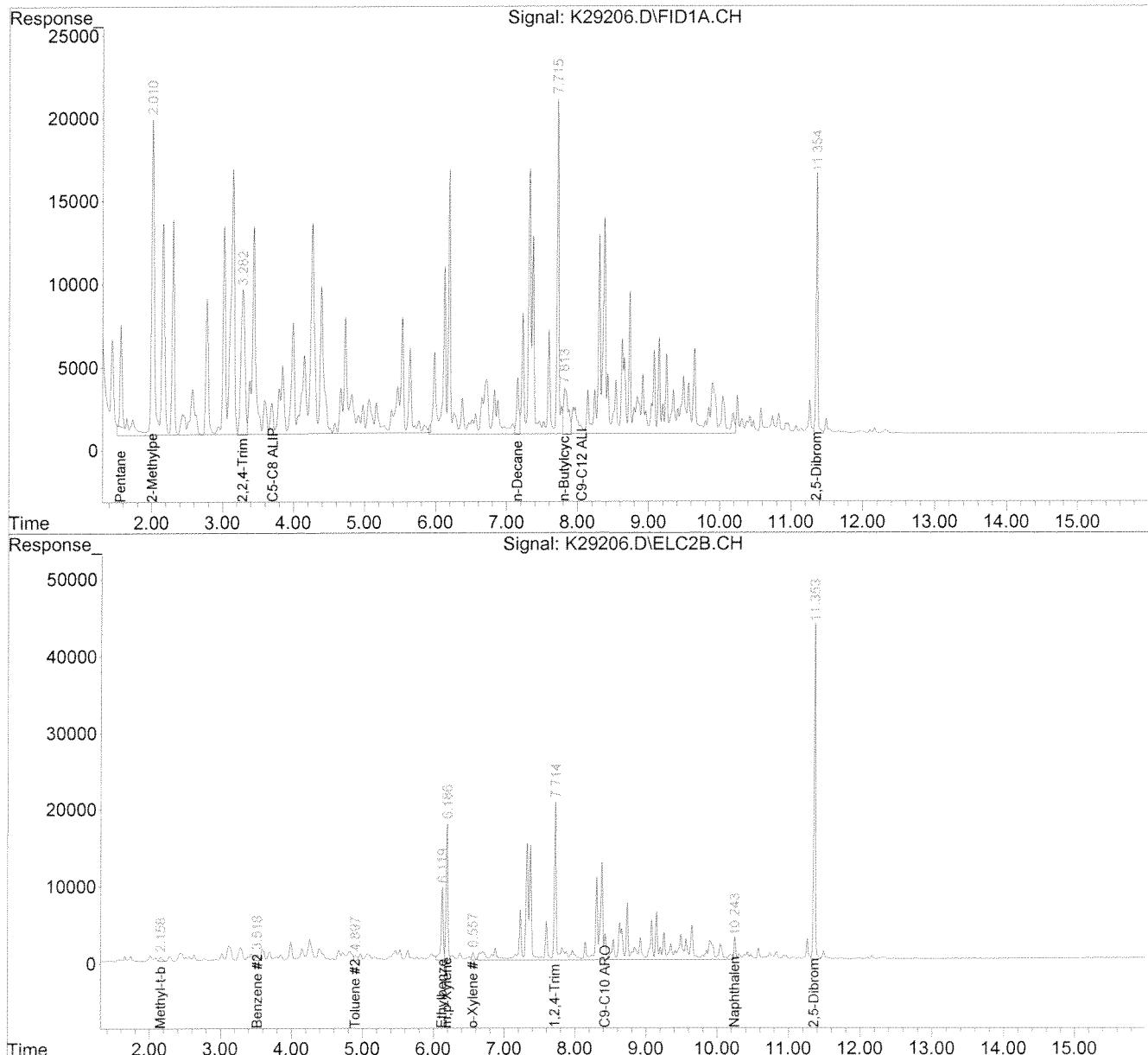
COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.  
 Results are expressed on a moisture corrected and dry weight basis.

Authorized signature: Mr. Herb Kodis

Data Path : C:\msdchem\1\DATA\100610-K\  
 Data File : K29206.D  
 Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH  
 Acq On : 06 Oct 2010 6:43 pm  
 Operator : JJL  
 Sample : 67946-4  
 Misc : 100, 9.94, SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 07 11:53:44 2010  
 Quant Method : C:\msdchem\1\METHODS\VPH072210.M  
 Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004  
 QLast Update : Fri Jul 23 15:04:23 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



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October 13, 2010

#### SAMPLE DATA

**CLIENT SAMPLE ID**

---

**Project Name:** DEP 2503-10  
**Project Number:**  
**Client Sample ID:** MW-103

|                          |          |
|--------------------------|----------|
| <b>Lab Sample ID:</b>    | 67946-5  |
| <b>Matrix:</b>           | Aqueous  |
| <b>Percent Solid:</b>    | N/A      |
| <b>Dilution Factor:</b>  | 20       |
| <b>Collection Date:</b>  | 09/29/10 |
| <b>Lab Receipt Date:</b> | 10/04/10 |
| <b>Analysis Date:</b>    | 10/13/10 |

| VPH ANALYTICAL RESULTS                        |               |      |       |              |
|---|---------------|------|-------|--------------|
| RANGE/TARGET ANALYTE                          | Elution Range | RL   | Units | Result       |
| Unadjusted C5-C8 Aliphatics                   | N/A           | 1000 | µg/L  | <b>7400</b>  |
| Unadjusted C9-C12 Aliphatics                  | N/A           | 1000 | µg/L  | <b>16900</b> |
| Benzene                                       | C5-C8         | 40   | µg/L  | <b>276</b>   |
| Ethylbenzene                                  | C9-C12        | 40   | µg/L  | <b>1350</b>  |
| Methyl-tert-butyl ether                       | C5-C8         | 40   | µg/L  | <b>158</b>   |
| Naphthalene                                   | N/A           | 40   | µg/L  | <b>305</b>   |
| Toluene                                       | C5-C8         | 40   | µg/L  | <b>408</b>   |
| m- & p-Xylenes                                | C9-C12        | 80   | µg/L  | <b>3510</b>  |
| o-Xylene                                      | C9-C12        | 40   | µg/L  | <b>822</b>   |
| C5-C8 Aliphatic Hydrocarbons <sup>1,2</sup>   | N/A           | 1000 | µg/L  | <b>6550</b>  |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 1000 | µg/L  | <b>6180</b>  |
| C9-C10 Aromatic Hydrocarbons                  | N/A           | 200  | µg/L  | <b>4990</b>  |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |      |       | 93           |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |      |       | 87           |
| Surrogate Acceptance Range                    |               |      |       | 70-130%      |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.  
<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range  
<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.  
 RL = Report Limit  
 U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004.

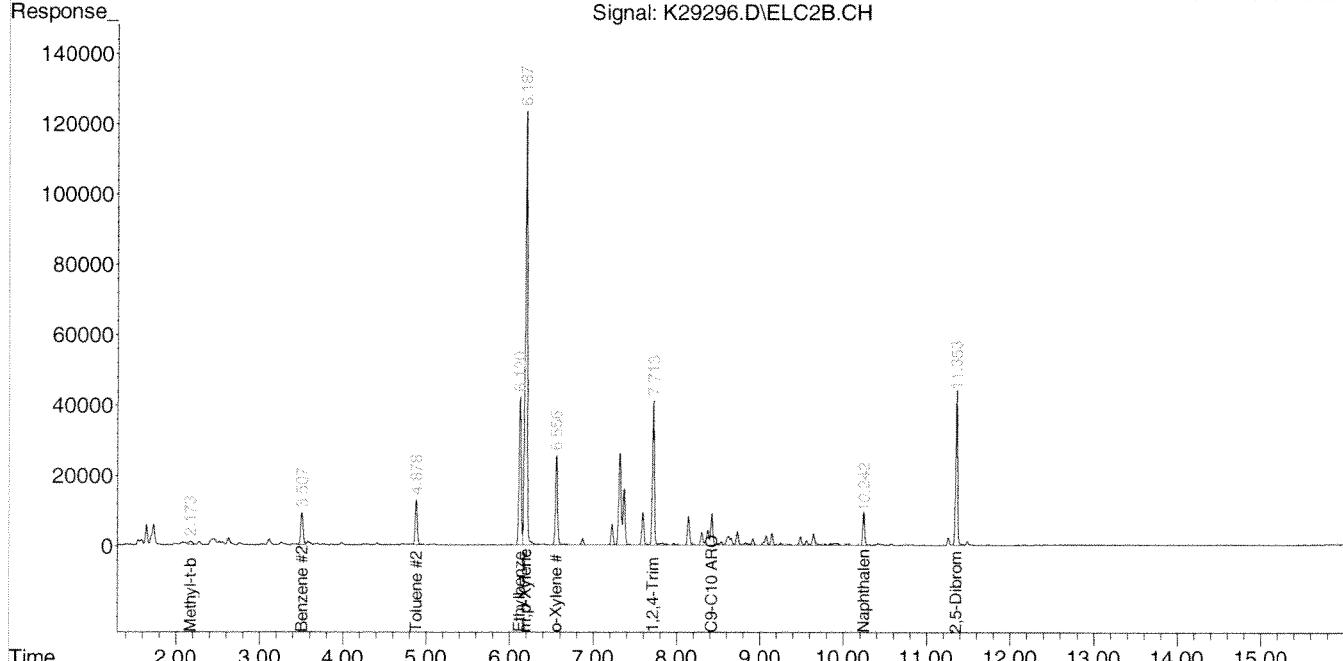
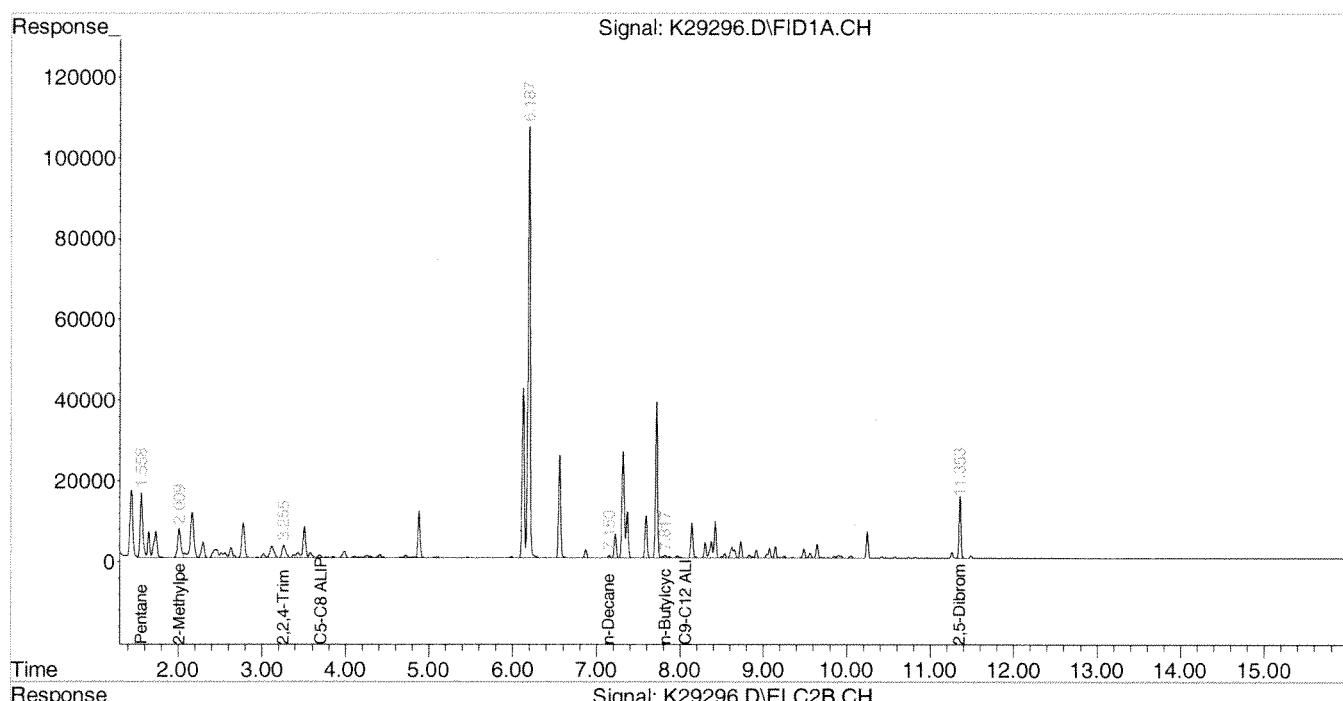
COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

Authorized signature: 

Data Path : C:\msdchem\1\DATA\101310-K\  
 Data File : K29296.D  
 Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH  
 Acq On : 13 Oct 2010 1:22 pm  
 Operator : JJL  
 Sample : 67946-5,20X,RR  
 Misc : 250  
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 13 13:40:00 2010  
 Quant Method : C:\msdchem\1\METHODS\VPH072210.M  
 Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004  
 QLast Update : Fri Jul 23 15:04:23 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Mr. Herb Kodis  
 Maine Environmental Laboratory, Inc.  
 PO Box 1107  
 Yarmouth, ME 04096-1107

October 13, 2010

#### SAMPLE DATA

|                   |          |
|-------------------|----------|
| Lab Sample ID:    | 67946-6  |
| Matrix:           | Aqueous  |
| Percent Solid:    | N/A      |
| Dilution Factor:  | 50       |
| Collection Date:  | 09/29/10 |
| Lab Receipt Date: | 10/04/10 |
| Analysis Date:    | 10/06/10 |

#### CLIENT SAMPLE ID

Project Name: DEP 2503-10

Project Number:

Client Sample ID: MW-102

#### VPH ANALYTICAL RESULTS

| RANGE/TARGET ANALYTE                          | Elution Range | RL   | Units | Result       |
|---|---------------|------|-------|--------------|
| Unadjusted C5-C8 Aliphatics <sup>1</sup>      | N/A           | 2500 | µg/L  | <b>8910</b>  |
| Unadjusted C9-C12 Aliphatics <sup>1</sup>     | N/A           | 2500 | µg/L  | <b>19000</b> |
| Benzene                                       | C5-C8         | 100  | µg/L  | <b>392</b>   |
| Ethylbenzene                                  | C9-C12        | 100  | µg/L  | <b>1600</b>  |
| Methyl-tert-butyl ether                       | C5-C8         | 100  | µg/L  | U            |
| Naphthalene                                   | N/A           | 100  | µg/L  | <b>273</b>   |
| Toluene                                       | C5-C8         | 100  | µg/L  | <b>878</b>   |
| m- & p-Xylenes                                | C9-C12        | 200  | µg/L  | <b>4350</b>  |
| o-Xylene                                      | C9-C12        | 100  | µg/L  | <b>1210</b>  |
| C5-C8 Aliphatics Hydrocarbons <sup>1,2</sup>  | N/A           | 2500 | µg/L  | <b>7640</b>  |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 2500 | µg/L  | <b>7240</b>  |
| C9-C10 Aromatic Hydrocarbons <sup>1</sup>     | N/A           | 500  | µg/L  | <b>4630</b>  |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |      |       | 83           |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |      |       | 80           |
| Surrogate Acceptance Range                    |               |      |       | 70-130%      |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.

RL = Report Limit

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1  
 May 2004.

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

Authorized signature: 

Data Path : C:\msdchem\1\DATA\100610-K\

Data File : K29215.D

Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH

Acq On : 06 Oct 2010 10:25 pm

Operator : JJL

Sample : 67946-6,50X

Misc : 100

ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e

Integration File signal 2: autoint2.e

Quant Time: Oct 07 12:03:32 2010

Quant Method : C:\msdchem\1\METHODS\VPH072210.M

Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004

QLast Update : Fri Jul 23 15:04:23 2010

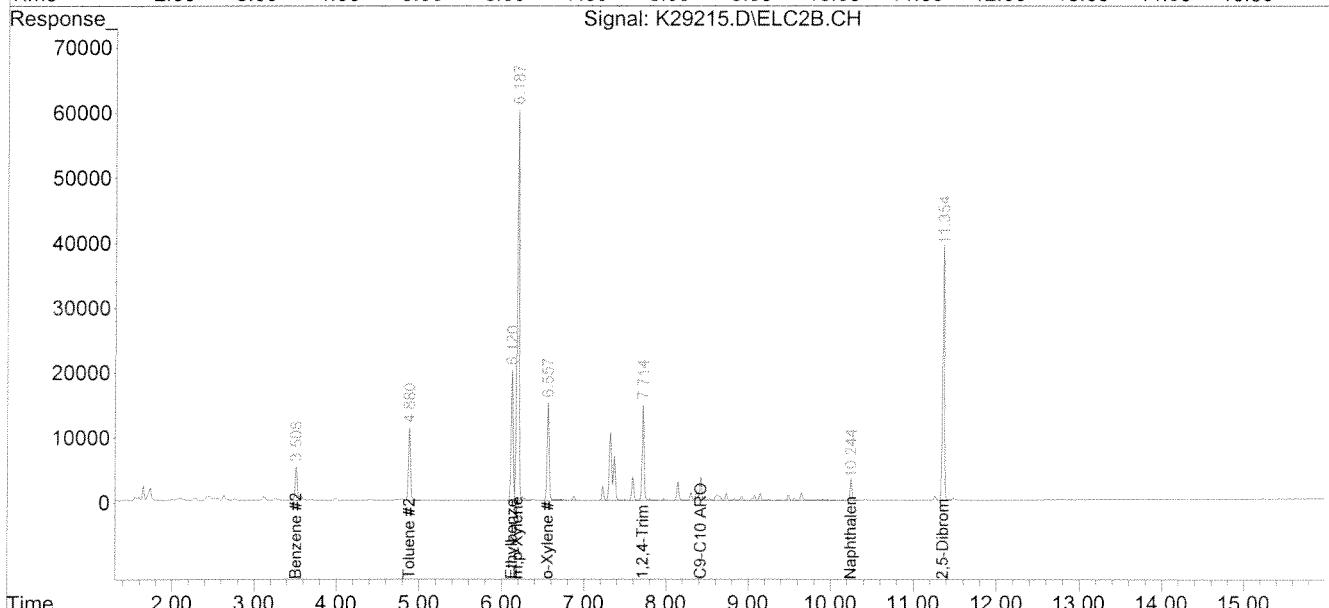
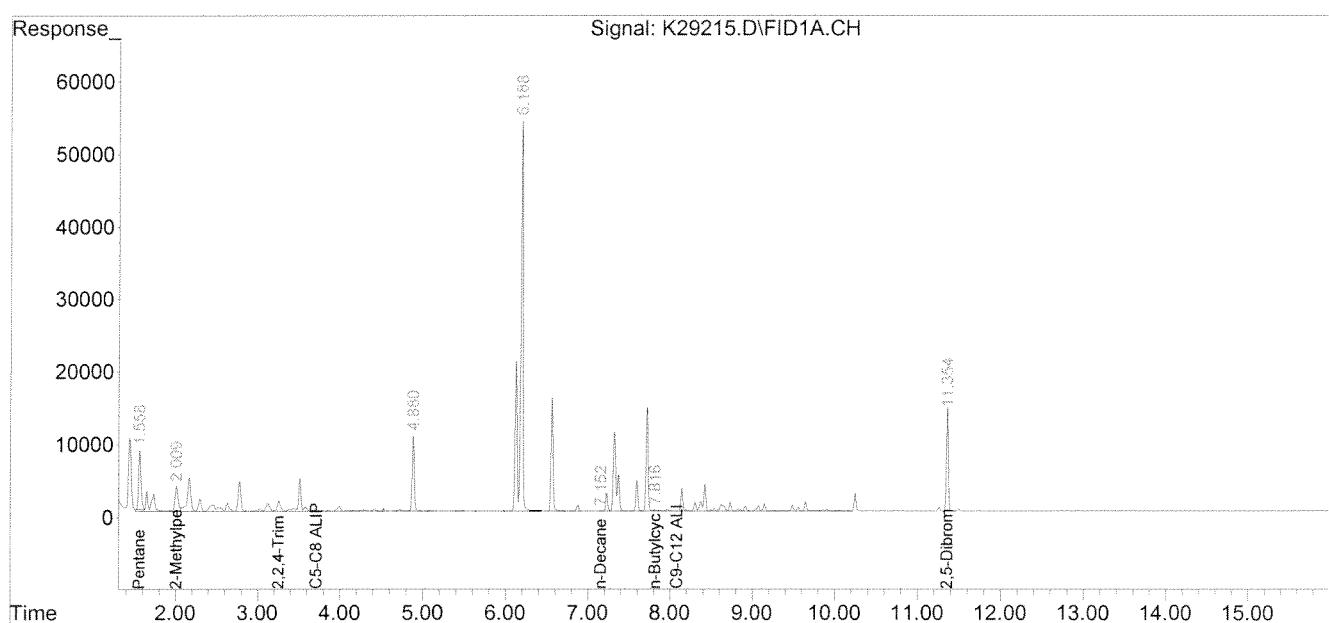
Response via : Initial Calibration

Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :

Signal #1 Phase : Signal #2 Phase:

Signal #1 Info : Signal #2 Info :



Mr. Herb Kodis  
 Maine Environmental Laboratory, Inc.  
 PO Box 1107  
 Yarmouth, ME 04096-1107

October 13, 2010

#### SAMPLE DATA

Lab Sample ID: 67946-7  
**Matrix:** Aqueous  
**Percent Solid:** N/A  
**Dilution Factor:** 1  
**Collection Date:** 09/29/10  
**Lab Receipt Date:** 10/04/10  
**Analysis Date:** 10/06/10

#### CLIENT SAMPLE ID

**Project Name:** DEP 2503-10

**Project Number:**

**Client Sample ID:** Trip Blank

#### VPH ANALYTICAL RESULTS

| RANGE/TARGET ANALYTE                          | Elution Range | RL | Units | Result  |
|---|---------------|----|-------|---------|
| Unadjusted C5-C8 Aliphatics <sup>1</sup>      | N/A           | 50 | µg/L  | U       |
| Unadjusted C9-C12 Aliphatics <sup>1</sup>     | N/A           | 50 | µg/L  | U       |
| Benzene                                       | C5-C8         | 2  | µg/L  | U       |
| Ethylbenzene                                  | C9-C12        | 2  | µg/L  | U       |
| Methyl-tert-butyl ether                       | C5-C8         | 2  | µg/L  | U       |
| Naphthalene                                   | N/A           | 2  | µg/L  | U       |
| Toluene                                       | C5-C8         | 2  | µg/L  | U       |
| m- & p-Xylenes                                | C9-C12        | 4  | µg/L  | U       |
| o-Xylene                                      | C9-C12        | 2  | µg/L  | U       |
| C5-C8 Aliphatics Hydrocarbons <sup>1,2</sup>  | N/A           | 50 | µg/L  | U       |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 50 | µg/L  | U       |
| C9-C10 Aromatic Hydrocarbons <sup>1</sup>     | N/A           | 10 | µg/L  | U       |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |    |       | 80      |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |    |       | 76      |
| Surrogate Acceptance Range                    |               |    |       | 70-130% |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.

RL = Report Limit

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1  
 May 2004.

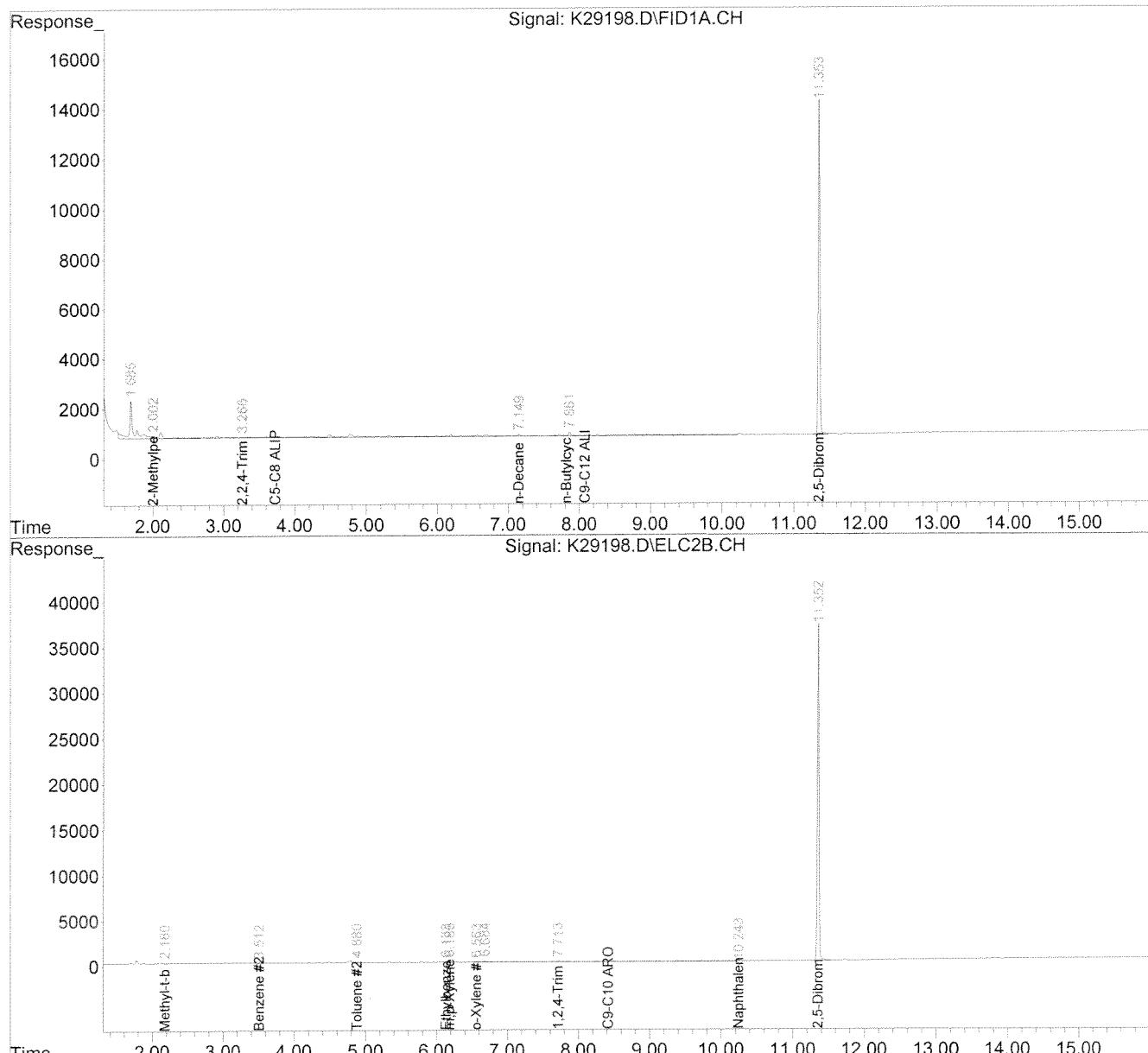
COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

Authorized signature: 

Data Path : C:\msdchem\1\DATA\100610-K\  
Data File : K29198.D  
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH  
Acq On : 06 Oct 2010 3:18 pm  
Operator : JJL  
Sample : 67946-7  
Misc : 5000  
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 11:45:42 2010  
Quant Method : C:\msdchem\1\METHODS\VPH072210.M  
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004  
QLast Update : Fri Jul 23 15:04:23 2010  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :





ANALYTICS SAMPLE RECEIPT CHECKLIST

AEL LAB#: 67946

CLIENT: HEL

PROJECT: Dep DEP 2503-10

BB  
10/4/10

**A: PRELIMINARY EXAMINATION:**

1. Cooler received by initials: IA

Hand delivered  
(If so, skip 3)

3. Did cooler come with a shipping slip?

3a. Enter carrier name and airbill number here:

4. Were custody seals on the outside of cooler?

How many & where: — Seal Date: —

COOLER NUMBER: 72

NUMBER OF COOLERS: 1

DATE RECEIVED: 10/4/10

DATE COOLER OPENED: 10/4/10

Date Received: —

Shipped

Y

NA

5. Did the custody seals arrive unbroken and intact upon arrival?

Y

N

6. COC#:

7. Were Custody papers filled out properly (ink,signed, etc)?

Y

N

8. Were custody papers sealed in a plastic bag?

Y

N

9. Did you sign the COC in the appropriate place?

Y

N

10. Was the project identifiable from the COC papers?

Y

N

11. Was enough ice used to chill the cooler?

Y

N

Temp. of cooler:

40°C

**B. Log-In:** Date samples were logged in:

10/4/10

By: JB

12. Type of packing in cooler (bubble wrap, popcorn)

Y

N

13. Were all bottles sealed in separate plastic bags?

Y

N

14. Did all bottles arrive unbroken and were labels in good condition?

Y

N

15. Were all bottle labels complete(ID,Date,time,etc.)

Y

N

16. Did all bottle labels agree with custody papers?

Y

N

17. Were the correct containers used for the tests indicated?

Y

N

18. Were samples received at the correct pH?

Y

N

19. Was sufficient amount of sample sent for the tests indicated?

Y

N

20. Were bubbles absent in VOA samples?

Y

N

If NO, List Sample ID's and Lab #s:  
2 vials for HW-101 had bubbles  
Project less than measured, labeled last  
Smaller

21. Laboratory labeling verified by (initials): CL

Date: 10/4/10





## ANALYTICAL REPORT

|                 |  |
|-----------------|--|
| Lab Number:     | L1015359   |
| Client:         | Summit Environmental<br>434 Cony Road<br>Augusta, ME 04330 |
| ATTN:           | John Cressey   |
| Phone:          | (207) 621-8334   |
| Project Name:   | 7-11 LEWISTON  |
| Project Number: | Not Specified  |
| Report Date:    | 10/11/10   |

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

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



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

| <b>Alpha Sample ID</b> | <b>Client ID</b> | <b>Sample Location</b> | <b>Collection Date/Time</b> |
|------------------------|------------------|------------------------|-----------------------------|
| L1015359-01            | SV-105-18        | LEWISTON, ME           | 09/29/10 17:24              |
| L1015359-02            | SV-105-11        | LEWISTON, ME           | 09/29/10 17:17              |
| L1015359-03            | SV-105-11A       | LEWISTON, ME           | 09/29/10 17:17              |
| L1015359-04            | SV-105-4         | LEWISTON, ME           | 09/29/10 17:07              |
| L1015359-05            | SV-102-11        | LEWISTON, ME           | 09/29/10 17:25              |
| L1015359-06            | SV-106-4         | LEWISTON, ME           | 09/29/10 13:52              |
| L1015359-07            | SV-103-4         | LEWISTON, ME           | 09/29/10 12:40              |
| L1015359-08            | SSV-02           | LEWISTON, ME           | 09/29/10 11:19              |
| L1015359-09            | SV-103-9         | LEWISTON, ME           | 09/29/10 12:57              |
| L1015359-10            | SSV-01           | LEWISTON, ME           | 09/29/10 11:43              |
| L1015359-11            | SV-102-4         | LEWISTON, ME           | 09/29/10 13:27              |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

|  |   |     |
|--|---|-----|
| <b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b> |   |     |
| A  | Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? | YES |
| B  | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?  | YES |
| C  | Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?  | YES |
| D  | Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"                      | YES |
| E a.   | VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).   | YES |
| E b.   | APH and TO-15 Methods only: Was the complete analyte list reported for each method?   | YES |
| F  | Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?                                   | YES |

|  |   |     |
|--|---|-----|
| <b>A response to questions G, H and I is required for "Presumptive Certainty" status</b> |   |     |
| G  | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)? | YES |
| H  | Were all QC performance standards specified in the CAM protocol(s) achieved?                              | YES |
| I  | Were results reported for the complete analyte list specified in the selected CAM protocol(s)?            | YES |

**For any questions answered "No", please refer to the case narrative section on the following page(s).**

Please note that sample matrix information is located in the Sample Results section of this report.



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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### MCP Related Narratives

Canisters were released from the laboratory on September 27, 2010.

The canister certification data is provided as an addendum.

The internal standards were within method criteria.

### Sample receipt

L1015359-05: the canister vacuum measured on receipt at the laboratory was > 15 in. Hg. The client requested that the analysis should proceed. The canister was pressurized with UHP Nitrogen prior to all analysis.

### Volatile Organics in Air (Low Level)

L1015359-01 through -05 have elevated detection limits due to the dilution required by the elevated

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### Case Narrative (continued)

concentrations of non-target compounds in the sample.

#### Fixed Gas

L1015359-01 through -05: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

L1015359-06 through -11: Prior to sample analysis, the canisters were pressurized with UHP Hydrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Hydrogen resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

#### Petroleum Hydrocarbons in Air

L1015359-01 through -05 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1015359-01 and -04 were re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

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

Authorized Signature:

*Kathleen M. O'Brien* Kathleen O'Brien

Title: Technical Director/Representative

Date: 10/11/10

**AIR**



**Project Name:** 7-11 LEWISTON**Lab Number:** L1015359**Project Number:** Not Specified**Report Date:** 10/11/10**SAMPLE RESULTS**

|                   |                |                 |                |
|-------------------|----------------|-----------------|----------------|
| Lab ID:           | L1015359-01 D  | Date Collected: | 09/29/10 17:24 |
| Client ID:        | SV-105-18      | Date Received:  | 10/01/10       |
| Sample Location:  | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor     |                 |                |
| Anaytical Method: | 48,TO-15       |                 |                |
| Analytical Date:  | 10/06/10 07:03 |                 |                |
| Analyst:          | AJ             |                 |                |

| Parameter   | Results | ppbV |     | ug/m3 |      | Qualifier | Dilution Factor |
|---|---------|------|-----|-------|------|-----------|-----------------|
|   |         | RL   | MDL | RL    | MDL  |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |      |     |       |      |           |                 |
| Vinyl chloride  | ND      | 57.6 | --  | ND    | 147. | --        | 288             |
| 1,1-Dichloroethene  | ND      | 57.6 | --  | ND    | 228. | --        | 288             |
| trans-1,2-Dichloroethene                                    | ND      | 57.6 | --  | ND    | 228. | --        | 288             |
| 1,1-Dichloroethane  | ND      | 57.6 | --  | ND    | 233. | --        | 288             |
| cis-1,2-Dichloroethene                                      | ND      | 57.6 | --  | ND    | 228. | --        | 288             |
| 1,2-Dichloroethane  | ND      | 57.6 | --  | ND    | 233. | --        | 288             |
| 1,1,1-Trichloroethane                                       | ND      | 57.6 | --  | ND    | 314. | --        | 288             |
| Trichloroethene   | ND      | 57.6 | --  | ND    | 309. | --        | 288             |
| 1,2-Dibromoethane   | ND      | 57.6 | --  | ND    | 442. | --        | 288             |
| Tetrachloroethene   | ND      | 57.6 | --  | ND    | 390. | --        | 288             |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 110        |           | 60-140              |
| Bromochloromethane  | 105        |           | 60-140              |
| chlorobenzene-d5    | 115        |           | 60-140              |

**Project Name:** 7-11 LEWISTON**Lab Number:** L1015359**Project Number:** Not Specified**Report Date:** 10/11/10**SAMPLE RESULTS**

|                   |                |                 |                |
|-------------------|----------------|-----------------|----------------|
| Lab ID:           | L1015359-02 D  | Date Collected: | 09/29/10 17:17 |
| Client ID:        | SV-105-11      | Date Received:  | 10/01/10       |
| Sample Location:  | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor     |                 |                |
| Anaytical Method: | 48,TO-15       |                 |                |
| Analytical Date:  | 10/07/10 14:28 |                 |                |
| Analyst:          | AJ             |                 |                |

| Parameter   | ppbV    |      |     | ug/m3   |      |     | Dilution Factor |
|---|---------|------|-----|---------|------|-----|-----------------|
|   | Results | RL   | MDL | Results | RL   | MDL |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |      |     |         |      |     |                 |
| Vinyl chloride  | ND      | 23.9 | --  | ND      | 61.0 | --  | 119.4           |
| 1,1-Dichloroethene  | ND      | 23.9 | --  | ND      | 94.6 | --  | 119.4           |
| trans-1,2-Dichloroethene                                    | ND      | 23.9 | --  | ND      | 94.6 | --  | 119.4           |
| 1,1-Dichloroethane  | ND      | 23.9 | --  | ND      | 96.6 | --  | 119.4           |
| cis-1,2-Dichloroethene                                      | ND      | 23.9 | --  | ND      | 94.6 | --  | 119.4           |
| 1,2-Dichloroethane  | ND      | 23.9 | --  | ND      | 96.6 | --  | 119.4           |
| 1,1,1-Trichloroethane                                       | ND      | 23.9 | --  | ND      | 130. | --  | 119.4           |
| Trichloroethene   | ND      | 23.9 | --  | ND      | 128. | --  | 119.4           |
| 1,2-Dibromoethane   | ND      | 23.9 | --  | ND      | 183. | --  | 119.4           |
| Tetrachloroethene   | ND      | 23.9 | --  | ND      | 162. | --  | 119.4           |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 95         |           | 60-140              |
| Bromochloromethane  | 98         |           | 60-140              |
| chlorobenzene-d5    | 95         |           | 60-140              |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

**SAMPLE RESULTS**

|                   |                |   |                 |                |
|-------------------|----------------|---|-----------------|----------------|
| Lab ID:           | L1015359-03    | D | Date Collected: | 09/29/10 17:17 |
| Client ID:        | SV-105-11A     |   | Date Received:  | 10/01/10       |
| Sample Location:  | LEWISTON, ME   |   | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor     |   |                 |                |
| Anaytical Method: | 48,TO-15       |   |                 |                |
| Analytical Date:  | 10/07/10 15:07 |   |                 |                |
| Analyst:          | AJ             |   |                 |                |

| Parameter   | Results | ppbV |     | ug/m3 |      | Qualifier | Dilution Factor |
|---|---------|------|-----|-------|------|-----------|-----------------|
|   |         | RL   | MDL | RL    | MDL  |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |      |     |       |      |           |                 |
| Vinyl chloride  | ND      | 23.0 | --  | ND    | 58.8 | --        | 115.2           |
| 1,1-Dichloroethene  | ND      | 23.0 | --  | ND    | 91.3 | --        | 115.2           |
| trans-1,2-Dichloroethene                                    | ND      | 23.0 | --  | ND    | 91.3 | --        | 115.2           |
| 1,1-Dichloroethane  | ND      | 23.0 | --  | ND    | 93.2 | --        | 115.2           |
| cis-1,2-Dichloroethene                                      | ND      | 23.0 | --  | ND    | 91.3 | --        | 115.2           |
| 1,2-Dichloroethane  | ND      | 23.0 | --  | ND    | 93.2 | --        | 115.2           |
| 1,1,1-Trichloroethane                                       | ND      | 23.0 | --  | ND    | 126. | --        | 115.2           |
| Trichloroethene   | ND      | 23.0 | --  | ND    | 124. | --        | 115.2           |
| 1,2-Dibromoethane   | ND      | 23.0 | --  | ND    | 177. | --        | 115.2           |
| Tetrachloroethene   | ND      | 23.0 | --  | ND    | 156. | --        | 115.2           |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 90         |           | 60-140              |
| Bromochloromethane  | 93         |           | 60-140              |
| chlorobenzene-d5    | 87         |           | 60-140              |

**Project Name:** 7-11 LEWISTON**Lab Number:** L1015359**Project Number:** Not Specified**Report Date:** 10/11/10**SAMPLE RESULTS**

|                   |                |                 |                |
|-------------------|----------------|-----------------|----------------|
| Lab ID:           | L1015359-04 D  | Date Collected: | 09/29/10 17:07 |
| Client ID:        | SV-105-4       | Date Received:  | 10/01/10       |
| Sample Location:  | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor     |                 |                |
| Anaytical Method: | 48,TO-15       |                 |                |
| Analytical Date:  | 10/07/10 15:45 |                 |                |
| Analyst:          | AJ             |                 |                |

| Parameter   | Results | ppbV |     | ug/m3 |      | Qualifier | Dilution Factor |
|---|---------|------|-----|-------|------|-----------|-----------------|
|   |         | RL   | MDL | RL    | MDL  |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |      |     |       |      |           |                 |
| Vinyl chloride  | ND      | 4.35 | --  | ND    | 11.1 | --        | 21.74           |
| 1,1-Dichloroethene  | ND      | 4.35 | --  | ND    | 17.2 | --        | 21.74           |
| trans-1,2-Dichloroethene                                    | ND      | 4.35 | --  | ND    | 17.2 | --        | 21.74           |
| 1,1-Dichloroethane  | ND      | 4.35 | --  | ND    | 17.6 | --        | 21.74           |
| cis-1,2-Dichloroethene                                      | ND      | 4.35 | --  | ND    | 17.2 | --        | 21.74           |
| 1,2-Dichloroethane  | ND      | 4.35 | --  | ND    | 17.6 | --        | 21.74           |
| 1,1,1-Trichloroethane                                       | ND      | 4.35 | --  | ND    | 23.7 | --        | 21.74           |
| Trichloroethene   | ND      | 4.35 | --  | ND    | 23.3 | --        | 21.74           |
| 1,2-Dibromoethane   | ND      | 4.35 | --  | ND    | 33.4 | --        | 21.74           |
| Tetrachloroethene   | 7.87    | 4.35 | --  | 53.3  | 29.5 | --        | 21.74           |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 87         |           | 60-140              |
| Bromochloromethane  | 93         |           | 60-140              |
| chlorobenzene-d5    | 85         |           | 60-140              |

**Project Name:** 7-11 LEWISTON**Lab Number:** L1015359**Project Number:** Not Specified**Report Date:** 10/11/10**SAMPLE RESULTS**

|                   |                |                 |                |
|-------------------|----------------|-----------------|----------------|
| Lab ID:           | L1015359-05 D  | Date Collected: | 09/29/10 17:25 |
| Client ID:        | SV-102-11      | Date Received:  | 10/01/10       |
| Sample Location:  | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor     |                 |                |
| Anaytical Method: | 48,TO-15       |                 |                |
| Analytical Date:  | 10/07/10 22:40 |                 |                |
| Analyst:          | AJ             |                 |                |

| Parameter   | Results | ppbV |     | ug/m3 |      | Qualifier | Dilution Factor |
|---|---------|------|-----|-------|------|-----------|-----------------|
|   |         | RL   | MDL | RL    | MDL  |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |      |     |       |      |           |                 |
| Vinyl chloride  | ND      | 26.8 | --  | ND    | 68.5 | --        | 134.1           |
| 1,1-Dichloroethene  | ND      | 26.8 | --  | ND    | 106. | --        | 134.1           |
| trans-1,2-Dichloroethene                                    | ND      | 26.8 | --  | ND    | 106. | --        | 134.1           |
| 1,1-Dichloroethane  | ND      | 26.8 | --  | ND    | 108. | --        | 134.1           |
| cis-1,2-Dichloroethene                                      | ND      | 26.8 | --  | ND    | 106. | --        | 134.1           |
| 1,2-Dichloroethane  | ND      | 26.8 | --  | ND    | 108. | --        | 134.1           |
| 1,1,1-Trichloroethane                                       | ND      | 26.8 | --  | ND    | 146. | --        | 134.1           |
| Trichloroethene   | ND      | 26.8 | --  | ND    | 144. | --        | 134.1           |
| 1,2-Dibromoethane   | ND      | 26.8 | --  | ND    | 206. | --        | 134.1           |
| Tetrachloroethene   | ND      | 26.8 | --  | ND    | 182. | --        | 134.1           |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 67         |           | 60-140              |
| Bromochloromethane  | 73         |           | 60-140              |
| chlorobenzene-d5    | 70         |           | 60-140              |

**Project Name:** 7-11 LEWISTON**Lab Number:** L1015359**Project Number:** Not Specified**Report Date:** 10/11/10**SAMPLE RESULTS**

|                   |                |                 |                |
|-------------------|----------------|-----------------|----------------|
| Lab ID:           | L1015359-06    | Date Collected: | 09/29/10 13:52 |
| Client ID:        | SV-106-4       | Date Received:  | 10/01/10       |
| Sample Location:  | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor     |                 |                |
| Anaytical Method: | 48,TO-15       |                 |                |
| Analytical Date:  | 10/05/10 16:50 |                 |                |
| Analyst:          | AJ             |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND    | 1.07  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND    | 1.36  | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 86         |           | 60-140              |
| Bromochloromethane  | 87         |           | 60-140              |
| chlorobenzene-d5    | 75         |           | 60-140              |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

**SAMPLE RESULTS**

|                   |                |                 |                |
|-------------------|----------------|-----------------|----------------|
| Lab ID:           | L1015359-07    | Date Collected: | 09/29/10 12:40 |
| Client ID:        | SV-103-4       | Date Received:  | 10/01/10       |
| Sample Location:  | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor     |                 |                |
| Anaytical Method: | 48,TO-15       |                 |                |
| Analytical Date:  | 10/05/10 18:08 |                 |                |
| Analyst:          | AJ             |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND    | 1.07  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND    | 1.36  | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 90         |           | 60-140              |
| Bromochloromethane  | 94         |           | 60-140              |
| chlorobenzene-d5    | 88         |           | 60-140              |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

**SAMPLE RESULTS**

|                   |                |                 |                |
|-------------------|----------------|-----------------|----------------|
| Lab ID:           | L1015359-08    | Date Collected: | 09/29/10 11:19 |
| Client ID:        | SSV-02         | Date Received:  | 10/01/10       |
| Sample Location:  | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor     |                 |                |
| Anaytical Method: | 48,TO-15       |                 |                |
| Analytical Date:  | 10/05/10 18:47 |                 |                |
| Analyst:          | AJ             |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND    | 1.07  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND    | 1.36  | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 85         |           | 60-140              |
| Bromochloromethane  | 97         |           | 60-140              |
| chlorobenzene-d5    | 84         |           | 60-140              |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

**SAMPLE RESULTS**

|                   |                |                 |                |
|-------------------|----------------|-----------------|----------------|
| Lab ID:           | L1015359-09    | Date Collected: | 09/29/10 12:57 |
| Client ID:        | SV-103-9       | Date Received:  | 10/01/10       |
| Sample Location:  | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor     |                 |                |
| Anaytical Method: | 48,TO-15       |                 |                |
| Analytical Date:  | 10/05/10 19:27 |                 |                |
| Analyst:          | AJ             |                 |                |

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND      | 0.511 | --  | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND      | 1.09  | --  | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND      | 1.07  | --  | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND      | 1.54  | --  | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND      | 1.36  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 89         |           | 60-140              |
| Bromochloromethane  | 96         |           | 60-140              |
| chlorobenzene-d5    | 89         |           | 60-140              |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

**SAMPLE RESULTS**

|                   |                |                 |                |
|-------------------|----------------|-----------------|----------------|
| Lab ID:           | L1015359-10    | Date Collected: | 09/29/10 11:43 |
| Client ID:        | SSV-01         | Date Received:  | 10/01/10       |
| Sample Location:  | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor     |                 |                |
| Anaytical Method: | 48,TO-15       |                 |                |
| Analytical Date:  | 10/05/10 20:04 |                 |                |
| Analyst:          | AJ             |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND    | 1.07  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND    | 1.36  | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 86         |           | 60-140              |
| Bromochloromethane  | 90         |           | 60-140              |
| chlorobenzene-d5    | 88         |           | 60-140              |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

**SAMPLE RESULTS**

|                   |                |                 |                |
|-------------------|----------------|-----------------|----------------|
| Lab ID:           | L1015359-11    | Date Collected: | 09/29/10 13:27 |
| Client ID:        | SV-102-4       | Date Received:  | 10/01/10       |
| Sample Location:  | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor     |                 |                |
| Anaytical Method: | 48,TO-15       |                 |                |
| Analytical Date:  | 10/05/10 20:43 |                 |                |
| Analyst:          | AJ             |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND    | 1.07  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND    | 1.36  | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 82         |           | 60-140              |
| Bromochloromethane  | 89         |           | 60-140              |
| chlorobenzene-d5    | 83         |           | 60-140              |

Project Name: 7-11 LEWISTON

Lab Number: L1015359

Project Number: Not Specified

Report Date: 10/11/10

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 48,TO-15  
 Analytical Date: 10/05/10 13:21

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL | Qualifier       |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01,06-11 Batch: WG435820-4</b> |         |       |     |         |       |     |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND      | 0.511 | --  | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| trans-1,2-Dichloroethene  | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  | 1               |
| cis-1,2-Dichloroethene  | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  | 1               |
| 1,1,1-Trichloroethane   | ND      | 0.200 | --  | ND      | 1.09  | --  | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND      | 1.07  | --  | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND      | 1.54  | --  | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND      | 1.36  | --  | 1               |

Project Name: 7-11 LEWISTON

Lab Number: L1015359

Project Number: Not Specified

Report Date: 10/11/10

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 48,TO-15  
 Analytical Date: 10/07/10 13:41

| Parameter  | ppbV    |       |     | ug/m3   |       |     | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------------|
|  | Results | RL    | MDL | Results | RL    | MDL |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 02-05 Batch: WG435820-9</b> |         |       |     |         |       |     |                 |
| Vinyl chloride   | ND      | 0.200 | --  | ND      | 0.511 | --  | 1               |
| 1,1-Dichloroethene   | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| trans-1,2-Dichloroethene   | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| 1,1-Dichloroethane   | ND      | 0.200 | --  | ND      | 0.809 | --  | 1               |
| cis-1,2-Dichloroethene   | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| 1,2-Dichloroethane   | ND      | 0.200 | --  | ND      | 0.809 | --  | 1               |
| 1,1,1-Trichloroethane  | ND      | 0.200 | --  | ND      | 1.09  | --  | 1               |
| Trichloroethene  | ND      | 0.200 | --  | ND      | 1.07  | --  | 1               |
| 1,2-Dibromoethane  | ND      | 0.200 | --  | ND      | 1.54  | --  | 1               |
| Tetrachloroethene  | ND      | 0.200 | --  | ND      | 1.36  | --  | 1               |



# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,06-11 Batch: WG435820-3 |                  |      |                   |      |                     |     |      |            |
| Vinyl chloride  | 91               |      | -                 |      | 70-130              | -   |      |            |
| 1,1-Dichloroethene  | 111              |      | -                 |      | 70-130              | -   |      |            |
| trans-1,2-Dichloroethene  | 106              |      | -                 |      | 70-130              | -   |      |            |
| 1,1-Dichloroethane  | 114              |      | -                 |      | 70-130              | -   |      |            |
| cis-1,2-Dichloroethene  | 104              |      | -                 |      | 70-130              | -   |      |            |
| 1,2-Dichloroethane  | 123              |      | -                 |      | 70-130              | -   |      |            |
| 1,1,1-Trichloroethane   | 122              |      | -                 |      | 70-130              | -   |      |            |
| Trichloroethene   | 110              |      | -                 |      | 70-130              | -   |      |            |
| 1,2-Dibromoethane   | 103              |      | -                 |      | 70-130              | -   |      |            |
| Tetrachloroethene   | 108              |      | -                 |      | 70-130              | -   |      |            |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-05 Batch: WG435820-8 |                  |      |                   |      |                     |     |      |            |
| Vinyl chloride   | 91               |      | -                 |      | 70-130              | -   |      |            |
| 1,1-Dichloroethene   | 105              |      | -                 |      | 70-130              | -   |      |            |
| trans-1,2-Dichloroethene   | 102              |      | -                 |      | 70-130              | -   |      |            |
| 1,1-Dichloroethane   | 113              |      | -                 |      | 70-130              | -   |      |            |
| cis-1,2-Dichloroethene   | 106              |      | -                 |      | 70-130              | -   |      |            |
| 1,2-Dichloroethane   | 110              |      | -                 |      | 70-130              | -   |      |            |
| 1,1,1-Trichloroethane  | 105              |      | -                 |      | 70-130              | -   |      |            |
| Trichloroethene  | 98               |      | -                 |      | 70-130              | -   |      |            |
| 1,2-Dibromoethane  | 103              |      | -                 |      | 70-130              | -   |      |            |
| Tetrachloroethene  | 103              |      | -                 |      | 70-130              | -   |      |            |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG435820-5 QC Sample: L1015359-06 Client ID: SV-106-4 |               |                  |       |     |      |            |
| Vinyl chloride  | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,1-Dichloroethene  | ND            | ND               | ppbV  | NC  |      | 25         |
| trans-1,2-Dichloroethene  | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,1-Dichloroethane  | ND            | ND               | ppbV  | NC  |      | 25         |
| cis-1,2-Dichloroethene  | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,2-Dichloroethane  | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,1,1-Trichloroethane   | ND            | ND               | ppbV  | NC  |      | 25         |
| Trichloroethene   | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,2-Dibromoethane   | ND            | ND               | ppbV  | NC  |      | 25         |
| Tetrachloroethene   | ND            | ND               | ppbV  | NC  |      | 25         |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

## SAMPLE RESULTS

|                    |                |   |                    |                |
|--------------------|----------------|---|--------------------|----------------|
| Lab ID:            | L1015359-01    | D | Date Collected:    | 09/29/10 17:24 |
| Client ID:         | SV-105-18      |   | Date Received:     | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor     |   | Extraction Method: |                |
| Analytical Method: | 51,3C          |   |                    |                |
| Analytical Date:   | 10/07/10 19:13 |   |                    |                |
| Analyst:           | RY             |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL | MDL   | Dilution Factor |
|--|--------|-----------|-------|----|-------|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |    |       |                 |
| Oxygen                                   | 14.8   | %         | 1.41  | -- | 1.411 |                 |
| Methane                                  | ND     | %         | 0.141 | -- | 1.411 |                 |
| Carbon Dioxide                           | 2.18   | %         | 0.141 | -- | 1.411 |                 |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

## SAMPLE RESULTS

|                    |                |   |                    |                |
|--------------------|----------------|---|--------------------|----------------|
| Lab ID:            | L1015359-02    | D | Date Collected:    | 09/29/10 17:17 |
| Client ID:         | SV-105-11      |   | Date Received:     | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor     |   | Extraction Method: |                |
| Analytical Method: | 51,3C          |   |                    |                |
| Analytical Date:   | 10/08/10 15:17 |   |                    |                |
| Analyst:           | RY             |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL | MDL   | Dilution Factor |
|--|--------|-----------|-------|----|-------|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |    |       |                 |
| Oxygen                                   | 14.1   | %         | 2.00  | -- | 2.004 |                 |
| Methane                                  | ND     | %         | 0.200 | -- | 2.004 |                 |
| Carbon Dioxide                           | 2.82   | %         | 0.200 | -- | 2.004 |                 |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

## SAMPLE RESULTS

|                    |                |   |                    |                |
|--------------------|----------------|---|--------------------|----------------|
| Lab ID:            | L1015359-03    | D | Date Collected:    | 09/29/10 17:17 |
| Client ID:         | SV-105-11A     |   | Date Received:     | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor     |   | Extraction Method: |                |
| Analytical Method: | 51,3C          |   |                    |                |
| Analytical Date:   | 10/08/10 15:58 |   |                    |                |
| Analyst:           | RY             |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 15.2   |           | %     | 2.02  | --  | 2.016           |
| Methane                                  | ND     |           | %     | 0.202 | --  | 2.016           |
| Carbon Dioxide                           | 2.36   |           | %     | 0.202 | --  | 2.016           |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

## SAMPLE RESULTS

|                    |                |   |                    |                |
|--------------------|----------------|---|--------------------|----------------|
| Lab ID:            | L1015359-04    | D | Date Collected:    | 09/29/10 17:07 |
| Client ID:         | SV-105-4       |   | Date Received:     | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor     |   | Extraction Method: |                |
| Analytical Method: | 51,3C          |   |                    |                |
| Analytical Date:   | 10/07/10 21:18 |   |                    |                |
| Analyst:           | RY             |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 14.4   |           | %     | 2.18  | --  | 2.178           |
| Methane                                  | ND     |           | %     | 0.218 | --  | 2.178           |
| Carbon Dioxide                           | 1.91   |           | %     | 0.218 | --  | 2.178           |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

## SAMPLE RESULTS

|                    |                |   |                    |                |
|--------------------|----------------|---|--------------------|----------------|
| Lab ID:            | L1015359-05    | D | Date Collected:    | 09/29/10 17:25 |
| Client ID:         | SV-102-11      |   | Date Received:     | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor     |   | Extraction Method: |                |
| Analytical Method: | 51,3C          |   |                    |                |
| Analytical Date:   | 10/08/10 16:40 |   |                    |                |
| Analyst:           | RY             |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 12.4   |           | %     | 4.60  | --  | 4.596           |
| Methane                                  | ND     |           | %     | 0.460 | --  | 4.596           |
| Carbon Dioxide                           | 3.24   |           | %     | 0.460 | --  | 4.596           |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

## SAMPLE RESULTS

|                    |                |   |                    |                |
|--------------------|----------------|---|--------------------|----------------|
| Lab ID:            | L1015359-06    | D | Date Collected:    | 09/29/10 13:52 |
| Client ID:         | SV-106-4       |   | Date Received:     | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor     |   | Extraction Method: |                |
| Analytical Method: | 51,3C          |   |                    |                |
| Analytical Date:   | 10/07/10 22:43 |   |                    |                |
| Analyst:           | RY             |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 17.9   |           | %     | 1.83  | --  | 1.828           |
| Methane                                  | ND     |           | %     | 0.183 | --  | 1.828           |
| Carbon Dioxide                           | 0.514  |           | %     | 0.183 | --  | 1.828           |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

## SAMPLE RESULTS

|                    |                |   |                    |                |
|--------------------|----------------|---|--------------------|----------------|
| Lab ID:            | L1015359-07    | D | Date Collected:    | 09/29/10 12:40 |
| Client ID:         | SV-103-4       |   | Date Received:     | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor     |   | Extraction Method: |                |
| Analytical Method: | 51,3C          |   |                    |                |
| Analytical Date:   | 10/07/10 23:26 |   |                    |                |
| Analyst:           | RY             |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 19.4   |           | %     | 1.45  | --  | 1.454           |
| Methane                                  | ND     |           | %     | 0.145 | --  | 1.454           |
| Carbon Dioxide                           | 0.220  |           | %     | 0.145 | --  | 1.454           |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

## SAMPLE RESULTS

|                    |                |   |                    |                |
|--------------------|----------------|---|--------------------|----------------|
| Lab ID:            | L1015359-08    | D | Date Collected:    | 09/29/10 11:19 |
| Client ID:         | SSV-02         |   | Date Received:     | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor     |   | Extraction Method: |                |
| Analytical Method: | 51,3C          |   |                    |                |
| Analytical Date:   | 10/08/10 00:08 |   |                    |                |
| Analyst:           | RY             |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 18.2   |           | %     | 1.46  | --  | 1.458           |
| Methane                                  | ND     |           | %     | 0.146 | --  | 1.458           |
| Carbon Dioxide                           | 0.714  |           | %     | 0.146 | --  | 1.458           |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

## SAMPLE RESULTS

|                    |                |   |                    |                |
|--------------------|----------------|---|--------------------|----------------|
| Lab ID:            | L1015359-09    | D | Date Collected:    | 09/29/10 12:57 |
| Client ID:         | SV-103-9       |   | Date Received:     | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor     |   | Extraction Method: |                |
| Analytical Method: | 51,3C          |   |                    |                |
| Analytical Date:   | 10/08/10 00:51 |   |                    |                |
| Analyst:           | RY             |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 18.0   |           | %     | 1.52  | --  | 1.526           |
| Methane                                  | ND     |           | %     | 0.152 | --  | 1.526           |
| Carbon Dioxide                           | 1.49   |           | %     | 0.152 | --  | 1.526           |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

## SAMPLE RESULTS

|                    |                |   |                    |                |
|--------------------|----------------|---|--------------------|----------------|
| Lab ID:            | L1015359-10    | D | Date Collected:    | 09/29/10 11:43 |
| Client ID:         | SSV-01         |   | Date Received:     | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor     |   | Extraction Method: |                |
| Analytical Method: | 51,3C          |   |                    |                |
| Analytical Date:   | 10/08/10 01:33 |   |                    |                |
| Analyst:           | RY             |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 17.5   |           | %     | 1.60  | --  | 1.597           |
| Methane                                  | ND     |           | %     | 0.160 | --  | 1.597           |
| Carbon Dioxide                           | 0.259  |           | %     | 0.160 | --  | 1.597           |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

## SAMPLE RESULTS

|                    |                |   |                    |                |
|--------------------|----------------|---|--------------------|----------------|
| Lab ID:            | L1015359-11    | D | Date Collected:    | 09/29/10 13:27 |
| Client ID:         | SV-102-4       |   | Date Received:     | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor     |   | Extraction Method: |                |
| Analytical Method: | 51,3C          |   |                    |                |
| Analytical Date:   | 10/08/10 02:59 |   |                    |                |
| Analyst:           | RY             |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL | MDL   | Dilution Factor |
|--|--------|-----------|-------|----|-------|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |    |       |                 |
| Oxygen                                   | 17.8   | %         | 1.46  | -- | 1.461 |                 |
| Methane                                  | ND     | %         | 0.146 | -- | 1.461 |                 |
| Carbon Dioxide                           | 1.23   | %         | 0.146 | -- | 1.461 |                 |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 51,3C  
Analytical Date: 10/08/10 14:06  
Analyst: RY

| Parameter   | Result | Qualifier | Units       | RL    | MDL |
|---|--------|-----------|-------------|-------|-----|
| Fixed Gases by GC - Mansfield Lab for sample(s): 02-03,05 |        | Batch:    | WG436057-15 |       |     |
| Oxygen  | ND     |           | %           | 1.00  | --  |
| Methane   | ND     |           | %           | 0.100 | --  |
| Carbon Dioxide  | ND     |           | %           | 0.100 | --  |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 51,3C  
Analytical Date: 10/07/10 18:27  
Analyst: RY

| Parameter  | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Fixed Gases by GC - Mansfield Lab for sample(s): 01,04,06-11 Batch: WG436057-2 |        |           |       |    |     |
| Oxygen   | ND     | %         | 1.00  | -- |     |
| Methane  | ND     | %         | 0.100 | -- |     |
| Carbon Dioxide   | ND     | %         | 0.100 | -- |     |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-11 Batch: WG436057-1 |                  |      |                   |      |                     |     |      |            |
| Oxygen  | 90               |      | -                 |      | 80-120              | -   |      |            |
| Methane   | 106              |      | -                 |      | 80-120              | -   |      |            |
| Carbon Dioxide  | 102              |      | -                 |      | 80-120              | -   |      |            |

Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-11 Batch: WG436057-14

|                |     |   |        |   |
|----------------|-----|---|--------|---|
| Oxygen         | 93  | - | 80-120 | - |
| Methane        | 107 | - | 80-120 | - |
| Carbon Dioxide | 107 | - | 80-120 | - |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG436057-10 QC Sample: L1015359-08 Client ID: SSV-02   |               |                  |       |     |      |            |
| Oxygen  | 18.2          | 18.3             | %     | 1   |      | 5          |
| Methane   | ND            | ND               | %     | NC  |      | 5          |
| Carbon Dioxide  | 0.714         | 0.716            | %     | 0   |      | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG436057-11 QC Sample: L1015359-09 Client ID: SV-103-9 |               |                  |       |     |      |            |
| Oxygen  | 18.0          | 18.1             | %     | 1   |      | 5          |
| Methane   | ND            | ND               | %     | NC  |      | 5          |
| Carbon Dioxide  | 1.49          | 1.49             | %     | 0   |      | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG436057-12 QC Sample: L1015359-10 Client ID: SSV-01   |               |                  |       |     |      |            |
| Oxygen  | 17.5          | 17.7             | %     | 1   |      | 5          |
| Methane   | ND            | ND               | %     | NC  |      | 5          |
| Carbon Dioxide  | 0.259         | 0.259            | %     | 0   |      | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG436057-13 QC Sample: L1015359-11 Client ID: SV-102-4 |               |                  |       |     |      |            |
| Oxygen  | 17.8          | 18.4             | %     | 3   |      | 5          |
| Methane   | ND            | ND               | %     | NC  |      | 5          |
| Carbon Dioxide  | 1.23          | 1.23             | %     | 0   |      | 5          |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|--|---------------|------------------|-------|-----|------------|
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG436057-3 QC Sample: L1015359-01 Client ID: SV-105-18  |               |                  |       |     |            |
| Oxygen   | 14.8          | 15.0             | %     | 1   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Carbon Dioxide   | 2.18          | 2.20             | %     | 1   | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG436057-4 QC Sample: L1015359-02 Client ID: SV-105-11  |               |                  |       |     |            |
| Oxygen   | 14.1          | 13.6             | %     | 4   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Carbon Dioxide   | 2.82          | 2.85             | %     | 1   | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG436057-5 QC Sample: L1015359-03 Client ID: SV-105-11A |               |                  |       |     |            |
| Oxygen   | 15.2          | 15.1             | %     | 1   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Carbon Dioxide   | 2.36          | 2.36             | %     | 0   | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG436057-6 QC Sample: L1015359-04 Client ID: SV-105-4   |               |                  |       |     |            |
| Oxygen   | 14.4          | 14.6             | %     | 1   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Carbon Dioxide   | 1.91          | 1.91             | %     | 0   | 5          |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---------------|------------------|-------|-----|------------|
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG436057-7 QC Sample: L1015359-05 Client ID: SV-102-11 |               |                  |       |     |            |
| Oxygen  | 12.4          | 12.6             | %     | 2   | 5          |
| Methane   | ND            | ND               | %     | NC  | 5          |
| Carbon Dioxide  | 3.24          | 3.23             | %     | 0   | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG436057-8 QC Sample: L1015359-06 Client ID: SV-106-4  |               |                  |       |     |            |
| Oxygen  | 17.9          | 18.9             | %     | 5   | 5          |
| Methane   | ND            | ND               | %     | NC  | 5          |
| Carbon Dioxide  | 0.514         | 0.512            | %     | 0   | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG436057-9 QC Sample: L1015359-07 Client ID: SV-103-4  |               |                  |       |     |            |
| Oxygen  | 19.4          | 19.5             | %     | 1   | 5          |
| Methane   | ND            | ND               | %     | NC  | 5          |
| Carbon Dioxide  | 0.220         | 0.218            | %     | 1   | 5          |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### SAMPLE RESULTS

|                    |                |    |                 |                |
|--------------------|----------------|----|-----------------|----------------|
| Lab ID:            | L1015359-01    | D2 | Date Collected: | 09/29/10 17:24 |
| Client ID:         | SV-105-18      |    | Date Received:  | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |    | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor     |    |                 |                |
| Analytical Method: | 96,APH         |    |                 |                |
| Analytical Date:   | 10/06/10 16:44 |    |                 |                |
| Analyst:           | AJ             |    |                 |                |

### Quality Control Information

|   |                     |
|---|---------------------|
| Sample Type:  | 30 Minute Composite |
| Sample Container Type:  | Canister - 1 Liter  |
| Sampling Flow Controller:   | Mechanical          |
| Sampling Zone:  | Unknown             |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%               |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                 |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                 |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                  |

| Parameter  | Result     | Qualifier | Units               | RL   | MDL | Dilution Factor |
|--|------------|-----------|---------------------|------|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |            |           |                     |      |     |                 |
| Benzene  | 140000     |           | ug/m3               | 1200 | --  | 580             |
| Internal Standard                                    | % Recovery | Qualifier | Acceptance Criteria |      |     |                 |
| 1,4-Difluorobenzene                                  | 157        |           | 50-200              |      |     |                 |
| Bromochloromethane                                   | 152        |           | 50-200              |      |     |                 |
| Chlorobenzene-d5                                     | 141        |           | 50-200              |      |     |                 |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### SAMPLE RESULTS

|                    |                |   |                 |                |
|--------------------|----------------|---|-----------------|----------------|
| Lab ID:            | L1015359-01    | D | Date Collected: | 09/29/10 17:24 |
| Client ID:         | SV-105-18      |   | Date Received:  | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor     |   |                 |                |
| Analytical Method: | 96,APH         |   |                 |                |
| Analytical Date:   | 10/06/10 07:03 |   |                 |                |
| Analyst:           | AJ             |   |                 |                |

### Quality Control Information

|   |                     |
|---|---------------------|
| Sample Type:  | 30 Minute Composite |
| Sample Container Type:  | Canister - 1 Liter  |
| Sampling Flow Controller:   | Mechanical          |
| Sampling Zone:  | Unknown             |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%               |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                 |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                 |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                  |

| Parameter  | Result  | Qualifier | Units | RL   | MDL | Dilution Factor |
|--|---------|-----------|-------|------|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |         |           |       |      |     |                 |
| 1,3-Butadiene  | ND      |           | ug/m3 | 580  | --  | 290             |
| Methyl tert butyl ether                              | 78000   |           | ug/m3 | 580  | --  | 290             |
| Benzene  | 110000  | E         | ug/m3 | 580  | --  | 290             |
| Toluene  | 20000   |           | ug/m3 | 580  | --  | 290             |
| C5-C8 Aliphatics, Adjusted                           | 3000000 |           | ug/m3 | 3500 | --  | 290             |
| Ethylbenzene   | 36000   |           | ug/m3 | 580  | --  | 290             |
| p/m-Xylene   | 46000   |           | ug/m3 | 1200 | --  | 290             |
| o-Xylene   | 11000   |           | ug/m3 | 580  | --  | 290             |
| Naphthalene  | ND      |           | ug/m3 | 580  | --  | 290             |
| C9-C12 Aliphatics, Adjusted                          | 36000   |           | ug/m3 | 4100 | --  | 290             |
| C9-C10 Aromatics Total                               | 61000   |           | ug/m3 | 2900 | --  | 290             |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 108        |           | 50-200              |
| Bromochloromethane  | 104        |           | 50-200              |
| Chlorobenzene-d5    | 117        |           | 50-200              |



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### SAMPLE RESULTS

|                    |                |   |                 |                |
|--------------------|----------------|---|-----------------|----------------|
| Lab ID:            | L1015359-02    | D | Date Collected: | 09/29/10 17:17 |
| Client ID:         | SV-105-11      |   | Date Received:  | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor     |   |                 |                |
| Analytical Method: | 96,APH         |   |                 |                |
| Analytical Date:   | 10/07/10 08:26 |   |                 |                |
| Analyst:           | AJ             |   |                 |                |

### Quality Control Information

|   |                     |
|---|---------------------|
| Sample Type:  | 30 Minute Composite |
| Sample Container Type:  | Canister - 1 Liter  |
| Sampling Flow Controller:   | Mechanical          |
| Sampling Zone:  | Unknown             |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%               |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                 |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                 |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                  |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 30  | --  | 15              |
| Methyl tert butyl ether                              | 2600   |           | ug/m3 | 30  | --  | 15              |
| Benzene  | 4500   |           | ug/m3 | 30  | --  | 15              |
| Toluene  | 1900   |           | ug/m3 | 30  | --  | 15              |
| C5-C8 Aliphatics, Adjusted                           | 230000 |           | ug/m3 | 180 | --  | 15              |
| Ethylbenzene   | 2500   |           | ug/m3 | 30  | --  | 15              |
| p/m-Xylene   | 2400   |           | ug/m3 | 60  | --  | 15              |
| o-Xylene   | 480    |           | ug/m3 | 30  | --  | 15              |
| Naphthalene  | 180    |           | ug/m3 | 30  | --  | 15              |
| C9-C12 Aliphatics, Adjusted                          | 9200   |           | ug/m3 | 210 | --  | 15              |
| C9-C10 Aromatics Total                               | 9500   |           | ug/m3 | 150 | --  | 15              |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 138        |           | 50-200              |
| Bromochloromethane  | 130        |           | 50-200              |
| Chlorobenzene-d5    | 131        |           | 50-200              |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### SAMPLE RESULTS

|                    |                |   |                 |                |
|--------------------|----------------|---|-----------------|----------------|
| Lab ID:            | L1015359-03    | D | Date Collected: | 09/29/10 17:17 |
| Client ID:         | SV-105-11A     |   | Date Received:  | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor     |   |                 |                |
| Analytical Method: | 96,APH         |   |                 |                |
| Analytical Date:   | 10/07/10 09:04 |   |                 |                |
| Analyst:           | AJ             |   |                 |                |

### Quality Control Information

|   |                     |
|---|---------------------|
| Sample Type:  | 30 Minute Composite |
| Sample Container Type:  | Canister - 1 Liter  |
| Sampling Flow Controller:   | Mechanical          |
| Sampling Zone:  | Unknown             |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%               |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                 |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                 |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                  |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 28  | --  | 14              |
| Methyl tert butyl ether                              | 1700   |           | ug/m3 | 28  | --  | 14              |
| Benzene  | 3200   |           | ug/m3 | 28  | --  | 14              |
| Toluene  | 1200   |           | ug/m3 | 28  | --  | 14              |
| C5-C8 Aliphatics, Adjusted                           | 150000 |           | ug/m3 | 170 | --  | 14              |
| Ethylbenzene   | 1500   |           | ug/m3 | 28  | --  | 14              |
| p/m-Xylene   | 1400   |           | ug/m3 | 56  | --  | 14              |
| o-Xylene   | 270    |           | ug/m3 | 28  | --  | 14              |
| Naphthalene  | ND     |           | ug/m3 | 28  | --  | 14              |
| C9-C12 Aliphatics, Adjusted                          | 4100   |           | ug/m3 | 200 | --  | 14              |
| C9-C10 Aromatics Total                               | 3900   |           | ug/m3 | 140 | --  | 14              |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 143        |           | 50-200              |
| Bromoform           | 137        |           | 50-200              |
| Chlorobenzene-d5    | 140        |           | 50-200              |



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### SAMPLE RESULTS

|                    |                |                 |                |
|--------------------|----------------|-----------------|----------------|
| Lab ID:            | L1015359-04    | Date Collected: | 09/29/10 17:07 |
| Client ID:         | SV-105-4       | Date Received:  | 10/01/10       |
| Sample Location:   | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor     |                 |                |
| Analytical Method: | 96,APH         |                 |                |
| Analytical Date:   | 10/06/10 15:30 |                 |                |
| Analyst:           | AJ             |                 |                |

### Quality Control Information

|   |                     |
|---|---------------------|
| Sample Type:  | 30 Minute Composite |
| Sample Container Type:  | Canister - 1 Liter  |
| Sampling Flow Controller:   | Mechanical          |
| Sampling Zone:  | Unknown             |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%               |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                 |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                 |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                  |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | 14     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | 440    | E         | ug/m3 | 2.0 | --  | 1               |
| Toluene  | 240    |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 34000  |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | 170    |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | 310    |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | 95     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | 9.5    |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | 840    |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | 560    |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 158        |           | 50-200              |
| Bromoform           | 152        |           | 50-200              |
| Chlorobenzene-d5    | 175        |           | 50-200              |



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### SAMPLE RESULTS

|                    |                |   |                 |                |
|--------------------|----------------|---|-----------------|----------------|
| Lab ID:            | L1015359-04    | D | Date Collected: | 09/29/10 17:07 |
| Client ID:         | SV-105-4       |   | Date Received:  | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor     |   |                 |                |
| Analytical Method: | 96,APH         |   |                 |                |
| Analytical Date:   | 10/07/10 00:10 |   |                 |                |
| Analyst:           | AJ             |   |                 |                |

### Quality Control Information

|   |                     |
|---|---------------------|
| Sample Type:  | 30 Minute Composite |
| Sample Container Type:  | Canister - 1 Liter  |
| Sampling Flow Controller:   | Mechanical          |
| Sampling Zone:  | Unknown             |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%               |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                 |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                 |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                  |

| Parameter  | Result     | Qualifier | Units               | RL | MDL | Dilution Factor |
|--|------------|-----------|---------------------|----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |            |           |                     |    |     |                 |
| Benzene  | 480        |           | ug/m3               | 10 | --  | 5               |
| Internal Standard                                    | % Recovery | Qualifier | Acceptance Criteria |    |     |                 |
| 1,4-Difluorobenzene                                  | 144        |           | 50-200              |    |     |                 |
| Bromochloromethane                                   | 138        |           | 50-200              |    |     |                 |
| Chlorobenzene-d5                                     | 131        |           | 50-200              |    |     |                 |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### SAMPLE RESULTS

|                    |                |   |                 |                |
|--------------------|----------------|---|-----------------|----------------|
| Lab ID:            | L1015359-05    | D | Date Collected: | 09/29/10 17:25 |
| Client ID:         | SV-102-11      |   | Date Received:  | 10/01/10       |
| Sample Location:   | LEWISTON, ME   |   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor     |   |                 |                |
| Analytical Method: | 96,APH         |   |                 |                |
| Analytical Date:   | 10/06/10 16:08 |   |                 |                |
| Analyst:           | AJ             |   |                 |                |

### Quality Control Information

|   |                     |
|---|---------------------|
| Sample Type:  | 30 Minute Composite |
| Sample Container Type:  | Canister - 1 Liter  |
| Sampling Flow Controller:   | Mechanical          |
| Sampling Zone:  | Unknown             |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%               |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                 |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                 |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                  |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 6.6 | --  | 3.3             |
| Methyl tert butyl ether                              | 790    |           | ug/m3 | 6.6 | --  | 3.3             |
| Benzene  | 200    |           | ug/m3 | 6.6 | --  | 3.3             |
| Toluene  | 33     |           | ug/m3 | 6.6 | --  | 3.3             |
| C5-C8 Aliphatics, Adjusted                           | 6200   |           | ug/m3 | 40  | --  | 3.3             |
| Ethylbenzene   | 12     |           | ug/m3 | 6.6 | --  | 3.3             |
| p/m-Xylene   | 25     |           | ug/m3 | 13  | --  | 3.3             |
| o-Xylene   | 9.0    |           | ug/m3 | 6.6 | --  | 3.3             |
| Naphthalene  | ND     |           | ug/m3 | 6.6 | --  | 3.3             |
| C9-C12 Aliphatics, Adjusted                          | 540    |           | ug/m3 | 46  | --  | 3.3             |
| C9-C10 Aromatics Total                               | 250    |           | ug/m3 | 33  | --  | 3.3             |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 143        |           | 50-200              |
| Bromochloromethane  | 142        |           | 50-200              |
| Chlorobenzene-d5    | 134        |           | 50-200              |



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### SAMPLE RESULTS

|                    |                |                 |                |
|--------------------|----------------|-----------------|----------------|
| Lab ID:            | L1015359-06    | Date Collected: | 09/29/10 13:52 |
| Client ID:         | SV-106-4       | Date Received:  | 10/01/10       |
| Sample Location:   | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor     |                 |                |
| Analytical Method: | 96,APH         |                 |                |
| Analytical Date:   | 10/05/10 16:50 |                 |                |
| Analyst:           | AJ             |                 |                |

### Quality Control Information

|   |                     |
|---|---------------------|
| Sample Type:  | 30 Minute Composite |
| Sample Container Type:  | Canister - 1 Liter  |
| Sampling Flow Controller:   | Mechanical          |
| Sampling Zone:  | Unknown             |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%               |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                 |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                 |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                  |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | ND     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 85         |           | 50-200              |
| Bromoform           | 88         |           | 50-200              |
| Chlorobenzene-d5    | 78         |           | 50-200              |



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### SAMPLE RESULTS

|                    |                |                 |                |
|--------------------|----------------|-----------------|----------------|
| Lab ID:            | L1015359-07    | Date Collected: | 09/29/10 12:40 |
| Client ID:         | SV-103-4       | Date Received:  | 10/01/10       |
| Sample Location:   | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor     |                 |                |
| Analytical Method: | 96,APH         |                 |                |
| Analytical Date:   | 10/05/10 18:08 |                 |                |
| Analyst:           | AJ             |                 |                |

### Quality Control Information

|   |                     |
|---|---------------------|
| Sample Type:  | 30 Minute Composite |
| Sample Container Type:  | Canister - 1 Liter  |
| Sampling Flow Controller:   | Mechanical          |
| Sampling Zone:  | Unknown             |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%               |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                 |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                 |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                  |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 19     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 89         |           | 50-200              |
| Bromoform           | 92         |           | 50-200              |
| Chlorobenzene-d5    | 92         |           | 50-200              |



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### SAMPLE RESULTS

|                    |                |                 |                |
|--------------------|----------------|-----------------|----------------|
| Lab ID:            | L1015359-08    | Date Collected: | 09/29/10 11:19 |
| Client ID:         | SSV-02         | Date Received:  | 10/01/10       |
| Sample Location:   | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor     |                 |                |
| Analytical Method: | 96,APH         |                 |                |
| Analytical Date:   | 10/05/10 18:47 |                 |                |
| Analyst:           | AJ             |                 |                |

### Quality Control Information

|   |                     |
|---|---------------------|
| Sample Type:  | 30 Minute Composite |
| Sample Container Type:  | Canister - 1 Liter  |
| Sampling Flow Controller:   | Mechanical          |
| Sampling Zone:  | Unknown             |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%               |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                 |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                 |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                  |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 16     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 85         |           | 50-200              |
| Bromochloromethane  | 97         |           | 50-200              |
| Chlorobenzene-d5    | 87         |           | 50-200              |



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### SAMPLE RESULTS

|                    |                |                 |                |
|--------------------|----------------|-----------------|----------------|
| Lab ID:            | L1015359-09    | Date Collected: | 09/29/10 12:57 |
| Client ID:         | SV-103-9       | Date Received:  | 10/01/10       |
| Sample Location:   | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor     |                 |                |
| Analytical Method: | 96,APH         |                 |                |
| Analytical Date:   | 10/05/10 19:27 |                 |                |
| Analyst:           | AJ             |                 |                |

### Quality Control Information

|   |                     |
|---|---------------------|
| Sample Type:  | 30 Minute Composite |
| Sample Container Type:  | Canister - 1 Liter  |
| Sampling Flow Controller:   | Mechanical          |
| Sampling Zone:  | Unknown             |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%               |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                 |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                 |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                  |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 13     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 88         |           | 50-200              |
| Bromoform           | 97         |           | 50-200              |
| Chlorobenzene-d5    | 93         |           | 50-200              |



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### SAMPLE RESULTS

|                    |                |                 |                |
|--------------------|----------------|-----------------|----------------|
| Lab ID:            | L1015359-10    | Date Collected: | 09/29/10 11:43 |
| Client ID:         | SSV-01         | Date Received:  | 10/01/10       |
| Sample Location:   | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor     |                 |                |
| Analytical Method: | 96,APH         |                 |                |
| Analytical Date:   | 10/05/10 20:04 |                 |                |
| Analyst:           | AJ             |                 |                |

### Quality Control Information

|   |                     |
|---|---------------------|
| Sample Type:  | 30 Minute Composite |
| Sample Container Type:  | Canister - 1 Liter  |
| Sampling Flow Controller:   | Mechanical          |
| Sampling Zone:  | Unknown             |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%               |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                 |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                 |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                  |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 20     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 85         |           | 50-200              |
| Bromochloromethane  | 91         |           | 50-200              |
| Chlorobenzene-d5    | 92         |           | 50-200              |



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### SAMPLE RESULTS

|                    |                |                 |                |
|--------------------|----------------|-----------------|----------------|
| Lab ID:            | L1015359-11    | Date Collected: | 09/29/10 13:27 |
| Client ID:         | SV-102-4       | Date Received:  | 10/01/10       |
| Sample Location:   | LEWISTON, ME   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor     |                 |                |
| Analytical Method: | 96,APH         |                 |                |
| Analytical Date:   | 10/05/10 20:43 |                 |                |
| Analyst:           | AJ             |                 |                |

### Quality Control Information

|   |                     |
|---|---------------------|
| Sample Type:  | 30 Minute Composite |
| Sample Container Type:  | Canister - 1 Liter  |
| Sampling Flow Controller:   | Mechanical          |
| Sampling Zone:  | Unknown             |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%               |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                 |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                 |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                  |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 16     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 81         |           | 50-200              |
| Bromochloromethane  | 92         |           | 50-200              |
| Chlorobenzene-d5    | 86         |           | 50-200              |



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 96,APH  
Analytical Date: 10/05/10 13:21  
Analyst: AJ

| <b>Parameter</b>   | <b>Result</b> | <b>Qualifier</b> | <b>Units</b> | <b>RL</b>  | <b>MDL</b> |
|--|---------------|------------------|--------------|------------|------------|
| Petroleum Hydrocarbons in Air - Mansfield Lab for sample(s): | 01,06-11      |                  | Batch:       | WG435821-4 |            |
| 1,3-Butadiene  | ND            |                  | ug/m3        | 2.0        | --         |
| Methyl tert butyl ether                                      | ND            |                  | ug/m3        | 2.0        | --         |
| Benzene  | ND            |                  | ug/m3        | 2.0        | --         |
| Toluene  | ND            |                  | ug/m3        | 2.0        | --         |
| C5-C8 Aliphatics, Adjusted                                   | ND            |                  | ug/m3        | 12         | --         |
| Ethylbenzene   | ND            |                  | ug/m3        | 2.0        | --         |
| p/m-Xylene   | ND            |                  | ug/m3        | 4.0        | --         |
| o-Xylene   | ND            |                  | ug/m3        | 2.0        | --         |
| Naphthalene  | ND            |                  | ug/m3        | 2.0        | --         |
| C9-C12 Aliphatics, Adjusted                                  | ND            |                  | ug/m3        | 14         | --         |
| C9-C10 Aromatics Total                                       | ND            |                  | ug/m3        | 10         | --         |

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 96,APH  
Analytical Date: 10/06/10 13:26  
Analyst: AJ

| <b>Parameter</b>   | <b>Result</b> | <b>Qualifier</b> | <b>Units</b> | <b>RL</b>  | <b>MDL</b> |
|--|---------------|------------------|--------------|------------|------------|
| Petroleum Hydrocarbons in Air - Mansfield Lab for sample(s): | 01-05         |                  | Batch:       | WG435821-9 |            |
| 1,3-Butadiene  | ND            |                  | ug/m3        | 2.0        | --         |
| Methyl tert butyl ether                                      | ND            |                  | ug/m3        | 2.0        | --         |
| Benzene  | ND            |                  | ug/m3        | 2.0        | --         |
| Toluene  | ND            |                  | ug/m3        | 2.0        | --         |
| C5-C8 Aliphatics, Adjusted                                   | ND            |                  | ug/m3        | 12         | --         |
| Ethylbenzene   | ND            |                  | ug/m3        | 2.0        | --         |
| p/m-Xylene   | ND            |                  | ug/m3        | 4.0        | --         |
| o-Xylene   | ND            |                  | ug/m3        | 2.0        | --         |
| Naphthalene  | ND            |                  | ug/m3        | 2.0        | --         |
| C9-C12 Aliphatics, Adjusted                                  | ND            |                  | ug/m3        | 14         | --         |
| C9-C10 Aromatics Total                                       | ND            |                  | ug/m3        | 10         | --         |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 01,06-11 Batch: WG435821-3 |                  |      |                   |      |                     |     |      |            |
| 1,3-Butadiene  | 73               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Methyl tert butyl ether  | 95               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Benzene  | 98               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Toluene  | 105              | -    | -                 | -    | 70-130              | -   | -    | -          |
| C5-C8 Aliphatics, Adjusted   | 103              | -    | -                 | -    | 70-130              | -   | -    | -          |
| Ethylbenzene   | 97               | -    | -                 | -    | 70-130              | -   | -    | -          |
| p/m-Xylene   | 101              | -    | -                 | -    | 70-130              | -   | -    | -          |
| o-Xylene   | 102              | -    | -                 | -    | 70-130              | -   | -    | -          |
| Naphthalene  | 108              | -    | -                 | -    | 50-150              | -   | -    | -          |
| C9-C12 Aliphatics, Adjusted  | 102              | -    | -                 | -    | 70-130              | -   | -    | -          |
| C9-C10 Aromatics Total   | 97               | -    | -                 | -    | 70-130              | -   | -    | -          |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG435821-8 |                  |      |                   |      |                     |     |      |            |
| 1,3-Butadiene   | 76               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Methyl tert butyl ether   | 93               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Benzene   | 102              | -    | -                 | -    | 70-130              | -   | -    | -          |
| Toluene   | 106              | -    | -                 | -    | 70-130              | -   | -    | -          |
| C5-C8 Aliphatics, Adjusted  | 107              | -    | -                 | -    | 70-130              | -   | -    | -          |
| Ethylbenzene  | 99               | -    | -                 | -    | 70-130              | -   | -    | -          |
| p/m-Xylene  | 104              | -    | -                 | -    | 70-130              | -   | -    | -          |
| o-Xylene  | 105              | -    | -                 | -    | 70-130              | -   | -    | -          |
| Naphthalene   | 117              | -    | -                 | -    | 50-150              | -   | -    | -          |
| C9-C12 Aliphatics, Adjusted   | 108              | -    | -                 | -    | 70-130              | -   | -    | -          |
| C9-C10 Aromatics Total  | 100              | -    | -                 | -    | 70-130              | -   | -    | -          |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG435821-5 QC Sample: L1015359-06 Client ID: SV-106-4 |               |                  |       |     |      |            |
| 1,3-Butadiene  | ND            | ND               | ug/m3 | NC  |      | 30         |
| Methyl tert butyl ether  | ND            | ND               | ug/m3 | NC  |      | 30         |
| Benzene  | ND            | ND               | ug/m3 | NC  |      | 30         |
| Toluene  | ND            | ND               | ug/m3 | NC  |      | 30         |
| C5-C8 Aliphatics, Adjusted   | ND            | 22               | ug/m3 | NC  |      | 30         |
| Ethylbenzene   | ND            | ND               | ug/m3 | NC  |      | 30         |
| p/m-Xylene   | ND            | ND               | ug/m3 | NC  |      | 30         |
| o-Xylene   | ND            | ND               | ug/m3 | NC  |      | 30         |
| Naphthalene  | ND            | ND               | ug/m3 | NC  |      | 30         |
| C9-C12 Aliphatics, Adjusted  | ND            | ND               | ug/m3 | NC  |      | 30         |
| C9-C10 Aromatics Total   | ND            | ND               | ug/m3 | NC  |      | 30         |

**Project Name:** 7-11 LEWISTON

Serial\_No:10111016:26

**Project Number:****Lab Number:** L1015359**Report Date:** 10/11/10**Canister and Flow Controller Information**

| Samplenum   | Client ID  | Media ID | Media Type | Cleaning Batch ID | Initial Pressure (in. Hg) | Pressure on Receipt (in. Hg) | Flow Out mL/min | Flow In mL/min | % RSD |
|-------------|------------|----------|------------|-------------------|---------------------------|------------------------------|-----------------|----------------|-------|
| L1015359-01 | SV-105-18  | 0404     | #90 SV     |                   | -                         | -                            | 71              | 81             | 13    |
| L1015359-01 | SV-105-18  | 366      | 2.7L Can   | L1014888          | -29.6                     | -0.5                         | -               | -              | -     |
| L1015359-02 | SV-105-11  | 0412     | #90 SV     |                   | -                         | -                            | 72              | 75             | 4     |
| L1015359-02 | SV-105-11  | 558      | 2.7L Can   | L1014888          | -29.6                     | -1.3                         | -               | -              | -     |
| L1015359-03 | SV-105-11A | 0180     | #90 SV     |                   | -                         | -                            | 69              | 71             | 3     |
| L1015359-03 | SV-105-11A | 480      | 2.7L Can   | L1014888          | -29.6                     | -0.2                         | -               | -              | -     |
| L1015359-04 | SV-105-4   | 0130     | #90 SV     |                   | -                         | -                            | 66              | 68             | 3     |
| L1015359-04 | SV-105-4   | 151B     | 2.7L Can   | L1014119          | -29.6                     | -0.2                         | -               | -              | -     |
| L1015359-05 | SV-102-11  | 0429     | #90 SV     |                   | -                         | -                            | 66              | 68             | 3     |
| L1015359-05 | SV-102-11  | 464      | 2.7L Can   | L1014888          | -29.6                     | -17.2                        | -               | -              | -     |
| L1015359-06 | SV-106-4   | 0217     | #90 SV     |                   | -                         | -                            | 68              | 68             | 0     |
| L1015359-06 | SV-106-4   | 414      | 2.7L Can   | L1014888          | -29.6                     | -7.4                         | -               | -              | -     |
| L1015359-07 | SV-103-4   | 0298     | #90 SV     |                   | -                         | -                            | 72              | 73             | 1     |
| L1015359-07 | SV-103-4   | 1732     | 2.7L Can   | L1014119          | -29.6                     | -0.2                         | -               | -              | -     |
| L1015359-08 | SSV-02     | 0052     | #90 SV     |                   | -                         | -                            | 66              | 70             | 6     |
| L1015359-08 | SSV-02     | 209      | 2.7L Can   | L1014119          | -28.5                     | -0.1                         | -               | -              | -     |
| L1015359-09 | SV-103-9   | 0437     | #90 SV     |                   | -                         | -                            | 71              | 73             | 3     |



**Project Name:** 7-11 LEWISTON

Serial\_No:10111016:26

**Project Number:**

**Lab Number:** L1015359

**Report Date:** 10/11/10

### Canister and Flow Controller Information

| Samplenum   | Client ID | Media ID | Media Type | Cleaning Batch ID | Initial Pressure (in. Hg) | Pressure on Receipt (in. Hg) | Flow Out mL/min | Flow In mL/min | % RSD |
|-------------|-----------|----------|------------|-------------------|---------------------------|------------------------------|-----------------|----------------|-------|
| L1015359-09 | SV-103-9  | 484      | 2.7L Can   | L1014119          | -29.4                     | -2.0                         | -               | -              | -     |
| L1015359-10 | SSV-01    | 0048     | #90 SV     |                   | -                         | -                            | 66              | 72             | 9     |
| L1015359-10 | SSV-01    | 383      | 2.7L Can   | L1014119          | -28.5                     | -3.5                         | -               | -              | -     |
| L1015359-11 | SV-102-4  | 0280     | #16 SV     |                   | -                         | -                            | 69              | 69             | 0     |
| L1015359-11 | SV-102-4  | 450      | 2.7L Can   | L1014888          | -29.6                     | -0.4                         | -               | -              | -     |



# **Air Volatiles Can Certification**

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1014119  
**Report Date:** 10/11/10

### Air Canister Certification Results

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1014119-01     | Date Collected: | 09/10/10 00:00 |
| Client ID:        | CAN 383 SHELF 9 | Date Received:  | 09/10/10       |
| Sample Location:  |                 | Field Prep:     | Not Specified  |
| Matrix:           | Air             |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 09/15/10 19:14  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3   |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----------|-----------------|
|   |         | RL    | MDL | Results | RL    | MDL       |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |           |                 |
| Chlorodifluoromethane                                       | 0.233   | 0.200 | --  | 0.823   | 0.707 | --        | 1               |
| Propylene   | ND      | 0.200 | --  | ND      | 0.344 | --        | 1               |
| Propane   | ND      | 0.200 | --  | ND      | 0.606 | --        | 1               |
| Dichlorodifluoromethane                                     | ND      | 0.200 | --  | ND      | 0.988 | --        | 1               |
| Chloromethane   | ND      | 0.200 | --  | ND      | 0.413 | --        | 1               |
| Freon-114   | ND      | 0.200 | --  | ND      | 1.40  | --        | 1               |
| Methanol  | ND      | 5.00  | --  | ND      | 6.55  | --        | 1               |
| Vinyl chloride  | ND      | 0.200 | --  | ND      | 0.511 | --        | 1               |
| 1,3-Butadiene   | ND      | 0.200 | --  | ND      | 0.442 | --        | 1               |
| Butane  | ND      | 0.200 | --  | ND      | 0.475 | --        | 1               |
| Bromomethane  | ND      | 0.200 | --  | ND      | 0.776 | --        | 1               |
| Chloroethane  | ND      | 0.200 | --  | ND      | 0.527 | --        | 1               |
| Ethanol   | ND      | 2.50  | --  | ND      | 4.71  | --        | 1               |
| Dichlorofluoromethane                                       | 0.221   | 0.200 | --  | 0.930   | 0.841 | --        | 1               |
| Vinyl bromide   | ND      | 0.200 | --  | ND      | 0.874 | --        | 1               |
| Acrolein  | ND      | 0.500 | --  | ND      | 1.14  | --        | 1               |
| Acetone   | ND      | 1.00  | --  | ND      | 2.37  | --        | 1               |
| Acetonitrile  | ND      | 0.200 | --  | ND      | 0.336 | --        | 1               |
| Trichlorofluoromethane                                      | ND      | 0.200 | --  | ND      | 1.12  | --        | 1               |
| Isopropanol   | ND      | 0.500 | --  | ND      | 1.23  | --        | 1               |
| Acrylonitrile   | ND      | 0.200 | --  | ND      | 0.434 | --        | 1               |
| Pentane   | ND      | 0.200 | --  | ND      | 0.590 | --        | 1               |
| Ethyl ether   | ND      | 0.200 | --  | ND      | 0.606 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND      | 0.792 | --        | 1               |
| Tertiary butyl Alcohol                                      | ND      | 0.500 | --  | ND      | 1.52  | --        | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1014119  
**Report Date:** 10/11/10

### Air Canister Certification Results

|                  |                 |                 |                |
|------------------|-----------------|-----------------|----------------|
| Lab ID:          | L1014119-01     | Date Collected: | 09/10/10 00:00 |
| Client ID:       | CAN 383 SHELF 9 | Date Received:  | 09/10/10       |
| Sample Location: |                 | Field Prep:     | Not Specified  |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Methylene chloride  | ND      | 1.00  | --  | ND    | 3.47  | --        | 1               |
| 3-Chloropropene   | ND      | 0.200 | --  | ND    | 0.626 | --        | 1               |
| Carbon disulfide  | ND      | 0.200 | --  | ND    | 0.622 | --        | 1               |
| Freon-113   | 0.307   | 0.200 | --  | 2.35  | 1.53  | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| Methyl tert butyl ether                                     | ND      | 0.200 | --  | ND    | 0.720 | --        | 1               |
| Vinyl acetate   | ND      | 0.200 | --  | ND    | 0.704 | --        | 1               |
| 2-Butanone  | ND      | 0.200 | --  | ND    | 0.589 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| Ethyl Acetate   | ND      | 0.500 | --  | ND    | 1.80  | --        | 1               |
| Chloroform  | ND      | 0.200 | --  | ND    | 0.976 | --        | 1               |
| Tetrahydrofuran   | ND      | 0.200 | --  | ND    | 0.589 | --        | 1               |
| 2,2-Dichloropropane   | ND      | 0.200 | --  | ND    | 0.923 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| n-Hexane  | ND      | 0.200 | --  | ND    | 0.704 | --        | 1               |
| Diisopropyl ether   | ND      | 0.200 | --  | ND    | 0.835 | --        | 1               |
| tert-Butyl Ethyl Ether                                      | ND      | 0.200 | --  | ND    | 0.835 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| 1,1-Dichloropropene   | ND      | 0.200 | --  | ND    | 0.907 | --        | 1               |
| Benzene   | ND      | 0.200 | --  | ND    | 0.638 | --        | 1               |
| Carbon tetrachloride  | ND      | 0.200 | --  | ND    | 1.26  | --        | 1               |
| Cyclohexane   | ND      | 0.200 | --  | ND    | 0.688 | --        | 1               |
| tert-Amyl Methyl Ether                                      | ND      | 0.200 | --  | ND    | 0.835 | --        | 1               |
| Dibromomethane  | ND      | 0.200 | --  | ND    | 1.42  | --        | 1               |
| 1,2-Dichloropropane   | ND      | 0.200 | --  | ND    | 0.924 | --        | 1               |
| Bromodichloromethane  | ND      | 0.200 | --  | ND    | 1.34  | --        | 1               |
| 1,4-Dioxane   | ND      | 0.200 | --  | ND    | 0.720 | --        | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1014119  
**Report Date:** 10/11/10

### Air Canister Certification Results

|                  |                 |                 |                |
|------------------|-----------------|-----------------|----------------|
| Lab ID:          | L1014119-01     | Date Collected: | 09/10/10 00:00 |
| Client ID:       | CAN 383 SHELF 9 | Date Received:  | 09/10/10       |
| Sample Location: |                 | Field Prep:     | Not Specified  |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Trichloroethene   | ND      | 0.200 | --  | ND    | 1.07  | --        | 1               |
| 2,2,4-Trimethylpentane                                      | ND      | 0.200 | --  | ND    | 0.934 | --        | 1               |
| Heptane   | ND      | 0.200 | --  | ND    | 0.819 | --        | 1               |
| 2,4,4-trimethyl-1-pentene                                   | ND      | 0.500 | --  | ND    | 2.29  | --        | 1               |
| cis-1,3-Dichloropropene                                     | ND      | 0.200 | --  | ND    | 0.907 | --        | 1               |
| 4-Methyl-2-pentanone  | ND      | 0.200 | --  | ND    | 0.819 | --        | 1               |
| 2,4,4-trimethyl-2-pentene                                   | ND      | 0.500 | --  | ND    | 2.29  | --        | 1               |
| trans-1,3-Dichloropropene                                   | ND      | 0.200 | --  | ND    | 0.907 | --        | 1               |
| 1,1,2-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Toluene   | ND      | 0.200 | --  | ND    | 0.753 | --        | 1               |
| 1,3-Dichloropropane   | ND      | 0.200 | --  | ND    | 0.923 | --        | 1               |
| 2-Hexanone  | ND      | 0.200 | --  | ND    | 0.819 | --        | 1               |
| Dibromochloromethane  | ND      | 0.200 | --  | ND    | 1.70  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Butyl acetate   | ND      | 0.500 | --  | ND    | 2.37  | --        | 1               |
| Octane  | ND      | 0.200 | --  | ND    | 0.934 | --        | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND    | 1.36  | --        | 1               |
| 1,1,1,2-Tetrachloroethane                                   | ND      | 0.200 | --  | ND    | 1.37  | --        | 1               |
| Chlorobenzene   | ND      | 0.200 | --  | ND    | 0.920 | --        | 1               |
| Ethylbenzene  | ND      | 0.200 | --  | ND    | 0.868 | --        | 1               |
| p/m-Xylene  | ND      | 0.400 | --  | ND    | 1.74  | --        | 1               |
| Bromoform   | ND      | 0.200 | --  | ND    | 2.06  | --        | 1               |
| Styrene   | ND      | 0.200 | --  | ND    | 0.851 | --        | 1               |
| 1,1,2,2-Tetrachloroethane                                   | ND      | 0.200 | --  | ND    | 1.37  | --        | 1               |
| o-Xylene  | ND      | 0.200 | --  | ND    | 0.868 | --        | 1               |
| 1,2,3-Trichloropropane                                      | ND      | 0.200 | --  | ND    | 1.20  | --        | 1               |
| Nonane  | ND      | 0.200 | --  | ND    | 1.05  | --        | 1               |
| Isopropylbenzene  | ND      | 0.200 | --  | ND    | 0.982 | --        | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1014119  
**Report Date:** 10/11/10

### Air Canister Certification Results

Lab ID: L1014119-01 Date Collected: 09/10/10 00:00  
Client ID: CAN 383 SHELF 9 Date Received: 09/10/10  
Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Bromobenzene  | ND      | 0.200 | --  | ND      | 1.28  | --  |           | 1               |
| 2-Chlorotoluene   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| n-Propylbenzene   | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| 4-Chlorotoluene   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| 4-Ethyltoluene  | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                      | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| tert-Butylbenzene   | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                      | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| Decane  | ND      | 0.200 | --  | ND      | 1.16  | --  |           | 1               |
| Benzyl chloride   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| 1,3-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| sec-Butylbenzene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| p-Isopropyltoluene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| n-Butylbenzene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dibromo-3-chloropropane                                 | ND      | 0.200 | --  | ND      | 1.93  | --  |           | 1               |
| Undecane  | ND      | 0.200 | --  | ND      | 1.28  | --  |           | 1               |
| Dodecane  | ND      | 0.200 | --  | ND      | 1.39  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                                      | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Naphthalene   | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| 1,2,3-Trichlorobenzene                                      | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene   | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1014119**Project Number:** CANISTER QC BAT**Report Date:** 10/11/10**Air Canister Certification Results**

|                  |                 |                 |                |
|------------------|-----------------|-----------------|----------------|
| Lab ID:          | L1014119-01     | Date Collected: | 09/10/10 00:00 |
| Client ID:       | CAN 383 SHELF 9 | Date Received:  | 09/10/10       |
| Sample Location: |                 | Field Prep:     | Not Specified  |

| Parameter  | ppbV    |    |     | ug/m3   |    |     | Dilution Factor |
|--|---------|----|-----|---------|----|-----|-----------------|
|  | Results | RL | MDL | Results | RL | MDL |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |    |     |         |    |     |                 |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 81         |           | 60-140              |
| Bromochloromethane  | 84         |           | 60-140              |
| chlorobenzene-d5    | 79         |           | 60-140              |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1014119  
**Report Date:** 10/11/10

### Air Canister Certification Results

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1014119-01     | Date Collected: | 09/10/10 00:00 |
| Client ID:        | CAN 383 SHELF 9 | Date Received:  | 09/10/10       |
| Sample Location:  |                 | Field Prep:     | Not Specified  |
| Matrix:           | Air             |                 |                |
| Anaytical Method: | 48,TO-15-SIM    |                 |                |
| Analytical Date:  | 09/16/10 19:26  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter  | Results | ppbV  |     | ug/m3   |       | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----------|-----------------|
|  |         | RL    | MDL | Results | RL    | MDL       |                 |
| <b>Volatile Organics in Air by SIM - Mansfield Lab</b> |         |       |     |         |       |           |                 |
| Dichlorodifluoromethane                                | 0.054   | 0.050 | --  | 0.267   | 0.247 | --        | 1               |
| Chloromethane  | ND      | 0.500 | --  | ND      | 1.03  | --        | 1               |
| Freon-114  | ND      | 0.050 | --  | ND      | 0.349 | --        | 1               |
| Vinyl chloride   | ND      | 0.020 | --  | ND      | 0.051 | --        | 1               |
| 1,3-Butadiene  | ND      | 0.020 | --  | ND      | 0.044 | --        | 1               |
| Bromomethane   | ND      | 0.020 | --  | ND      | 0.078 | --        | 1               |
| Chloroethane   | ND      | 0.020 | --  | ND      | 0.053 | --        | 1               |
| Acetone  | ND      | 2.00  | --  | ND      | 4.75  | --        | 1               |
| Trichlorofluoromethane                                 | 0.093   | 0.050 | --  | 0.522   | 0.281 | --        | 1               |
| Acrylonitrile  | ND      | 0.500 | --  | ND      | 1.08  | --        | 1               |
| 1,1-Dichloroethene                                     | ND      | 0.020 | --  | ND      | 0.079 | --        | 1               |
| Methylene chloride                                     | ND      | 1.00  | --  | ND      | 3.47  | --        | 1               |
| Freon-113  | 0.256   | 0.050 | --  | 1.96    | 0.383 | --        | 1               |
| trans-1,2-Dichloroethene                               | ND      | 0.020 | --  | ND      | 0.079 | --        | 1               |
| 1,1-Dichloroethane                                     | ND      | 0.020 | --  | ND      | 0.081 | --        | 1               |
| Methyl tert butyl ether                                | ND      | 0.020 | --  | ND      | 0.072 | --        | 1               |
| 2-Butanone   | ND      | 0.500 | --  | ND      | 1.47  | --        | 1               |
| cis-1,2-Dichloroethene                                 | ND      | 0.020 | --  | ND      | 0.079 | --        | 1               |
| Chloroform   | ND      | 0.020 | --  | ND      | 0.098 | --        | 1               |
| 1,2-Dichloroethane                                     | ND      | 0.020 | --  | ND      | 0.081 | --        | 1               |
| 1,1,1-Trichloroethane                                  | ND      | 0.020 | --  | ND      | 0.109 | --        | 1               |
| Benzene  | ND      | 0.100 | --  | ND      | 0.319 | --        | 1               |
| Carbon tetrachloride                                   | ND      | 0.020 | --  | ND      | 0.126 | --        | 1               |
| 1,2-Dichloropropane                                    | ND      | 0.020 | --  | ND      | 0.092 | --        | 1               |
| Bromodichloromethane                                   | ND      | 0.020 | --  | ND      | 0.134 | --        | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1014119  
**Report Date:** 10/11/10

### Air Canister Certification Results

|                  |                 |                 |                |
|------------------|-----------------|-----------------|----------------|
| Lab ID:          | L1014119-01     | Date Collected: | 09/10/10 00:00 |
| Client ID:       | CAN 383 SHELF 9 | Date Received:  | 09/10/10       |
| Sample Location: |                 | Field Prep:     | Not Specified  |

| Parameter  | Results | ppbV  |     | ug/m3 |     | Qualifier | Dilution Factor |
|--|---------|-------|-----|-------|-----|-----------|-----------------|
|  |         | RL    | MDL | RL    | MDL |           |                 |
| <b>Volatile Organics in Air by SIM - Mansfield Lab</b> |         |       |     |       |     |           |                 |
| Trichloroethene  | ND      | 0.020 | --  | 0.107 | --  |           | 1               |
| 1,4-Dioxane  | ND      | 0.100 | --  | 0.360 | --  |           | 1               |
| cis-1,3-Dichloropropene                                | ND      | 0.020 | --  | 0.091 | --  |           | 1               |
| 4-Methyl-2-pentanone                                   | ND      | 0.500 | --  | 2.05  | --  |           | 1               |
| trans-1,3-Dichloropropene                              | ND      | 0.020 | --  | 0.091 | --  |           | 1               |
| 1,1,2-Trichloroethane                                  | ND      | 0.020 | --  | 0.109 | --  |           | 1               |
| Toluene  | ND      | 0.020 | --  | 0.075 | --  |           | 1               |
| Dibromochloromethane                                   | ND      | 0.020 | --  | 0.170 | --  |           | 1               |
| 1,2-Dibromoethane                                      | ND      | 0.020 | --  | 0.154 | --  |           | 1               |
| Tetrachloroethene                                      | ND      | 0.020 | --  | 0.136 | --  |           | 1               |
| 1,1,1,2-Tetrachloroethane                              | ND      | 0.020 | --  | 0.137 | --  |           | 1               |
| Chlorobenzene  | ND      | 0.020 | --  | 0.092 | --  |           | 1               |
| Ethylbenzene   | ND      | 0.020 | --  | 0.087 | --  |           | 1               |
| p/m-Xylene   | ND      | 0.040 | --  | 0.174 | --  |           | 1               |
| Bromoform  | ND      | 0.020 | --  | 0.206 | --  |           | 1               |
| Styrene  | ND      | 0.020 | --  | 0.085 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                              | ND      | 0.020 | --  | 0.137 | --  |           | 1               |
| o-Xylene   | ND      | 0.020 | --  | 0.087 | --  |           | 1               |
| Isopropylbenzene                                       | ND      | 0.500 | --  | 2.46  | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                 | ND      | 0.020 | --  | 0.098 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                 | ND      | 0.020 | --  | 0.098 | --  |           | 1               |
| 1,3-Dichlorobenzene                                    | ND      | 0.020 | --  | 0.120 | --  |           | 1               |
| 1,4-Dichlorobenzene                                    | ND      | 0.020 | --  | 0.120 | --  |           | 1               |
| sec-Butylbenzene                                       | ND      | 0.500 | --  | 2.74  | --  |           | 1               |
| p-Isopropyltoluene                                     | ND      | 0.500 | --  | 2.74  | --  |           | 1               |
| 1,2-Dichlorobenzene                                    | ND      | 0.020 | --  | 0.120 | --  |           | 1               |
| n-Butylbenzene   | ND      | 0.500 | --  | 2.74  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                                 | ND      | 0.050 | --  | 0.371 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1014119**Project Number:** CANISTER QC BAT**Report Date:** 10/11/10**Air Canister Certification Results**

|                  |                 |                 |                |
|------------------|-----------------|-----------------|----------------|
| Lab ID:          | L1014119-01     | Date Collected: | 09/10/10 00:00 |
| Client ID:       | CAN 383 SHELF 9 | Date Received:  | 09/10/10       |
| Sample Location: |                 | Field Prep:     | Not Specified  |

| Parameter  | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|  | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air by SIM - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Naphthalene  | ND      | 0.050 | --  | ND      | 0.262 | --  |           | 1               |
| 1,2,3-Trichlorobenzene                                 | ND      | 0.050 | --  | ND      | 0.371 | --  |           | 1               |
| Hexachlorobutadiene                                    | ND      | 0.050 | --  | ND      | 0.533 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1014119**Project Number:** CANISTER QC BAT**Report Date:** 10/11/10**Air Canister Certification Results**

|                  |                 |                 |                |
|------------------|-----------------|-----------------|----------------|
| Lab ID:          | L1014119-01     | Date Collected: | 09/10/10 00:00 |
| Client ID:       | CAN 383 SHELF 9 | Date Received:  | 09/10/10       |
| Sample Location: |                 | Field Prep:     | Not Specified  |

| Parameter                                       | ppbV    |    |     | ug/m3   |    |     | Dilution Factor |
|---|---------|----|-----|---------|----|-----|-----------------|
|   | Results | RL | MDL | Results | RL | MDL |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |    |     |         |    |     |                 |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-difluorobenzene | 80         |           | 60-140              |
| bromochloromethane  | 88         |           | 60-140              |
| chlorobenzene-d5    | 79         |           | 60-140              |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1014888  
**Report Date:** 10/11/10

### Air Canister Certification Results

|                   |                  |                 |                |
|-------------------|------------------|-----------------|----------------|
| Lab ID:           | L1014888-01      | Date Collected: | 09/24/10 00:00 |
| Client ID:        | CAN 155 SHELF 10 | Date Received:  | 09/24/10       |
| Sample Location:  |                  | Field Prep:     | Not Specified  |
| Matrix:           | Air              |                 |                |
| Anaytical Method: | 48,TO-15         |                 |                |
| Analytical Date:  | 09/25/10 19:03   |                 |                |
| Analyst:          | RY               |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Chlorodifluoromethane                                       | ND      | 0.200 | --  | ND    | 0.707 | --        | 1               |
| Propylene   | ND      | 0.200 | --  | ND    | 0.344 | --        | 1               |
| Propane   | ND      | 0.200 | --  | ND    | 0.606 | --        | 1               |
| Dichlorodifluoromethane                                     | ND      | 0.200 | --  | ND    | 0.988 | --        | 1               |
| Chloromethane   | ND      | 0.200 | --  | ND    | 0.413 | --        | 1               |
| Freon-114   | ND      | 0.200 | --  | ND    | 1.40  | --        | 1               |
| Methanol  | ND      | 5.00  | --  | ND    | 6.55  | --        | 1               |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,3-Butadiene   | ND      | 0.200 | --  | ND    | 0.442 | --        | 1               |
| Butane  | ND      | 0.200 | --  | ND    | 0.475 | --        | 1               |
| Bromomethane  | ND      | 0.200 | --  | ND    | 0.776 | --        | 1               |
| Chloroethane  | ND      | 0.200 | --  | ND    | 0.527 | --        | 1               |
| Ethanol   | ND      | 2.50  | --  | ND    | 4.71  | --        | 1               |
| Dichlorofluoromethane                                       | ND      | 0.200 | --  | ND    | 0.841 | --        | 1               |
| Vinyl bromide   | ND      | 0.200 | --  | ND    | 0.874 | --        | 1               |
| Acrolein  | ND      | 0.500 | --  | ND    | 1.14  | --        | 1               |
| Acetone   | ND      | 1.00  | --  | ND    | 2.37  | --        | 1               |
| Acetonitrile  | ND      | 0.200 | --  | ND    | 0.336 | --        | 1               |
| Trichlorofluoromethane                                      | ND      | 0.200 | --  | ND    | 1.12  | --        | 1               |
| Isopropanol   | ND      | 0.500 | --  | ND    | 1.23  | --        | 1               |
| Acrylonitrile   | ND      | 0.200 | --  | ND    | 0.434 | --        | 1               |
| Pentane   | ND      | 0.200 | --  | ND    | 0.590 | --        | 1               |
| Ethyl ether   | ND      | 0.200 | --  | ND    | 0.606 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| Methylene chloride  | ND      | 1.00  | --  | ND    | 3.47  | --        | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1014888  
**Report Date:** 10/11/10

### Air Canister Certification Results

Lab ID: L1014888-01 Date Collected: 09/24/10 00:00  
Client ID: CAN 155 SHELF 10 Date Received: 09/24/10  
Sample Location: Field Prep: Not Specified

| Parameter   | Results | ppbV  |     | ug/m3 |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-----|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |     |           |                 |
| 3-Chloropropene   | ND      | 0.200 | --  | 0.626 | --  |           | 1               |
| Carbon disulfide  | ND      | 0.200 | --  | 0.622 | --  |           | 1               |
| Freon-113   | ND      | 0.200 | --  | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | 0.792 | --  |           | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                                     | ND      | 0.200 | --  | 0.720 | --  |           | 1               |
| Vinyl acetate   | ND      | 0.200 | --  | 0.704 | --  |           | 1               |
| 2-Butanone  | ND      | 0.200 | --  | 0.589 | --  |           | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | 0.792 | --  |           | 1               |
| Ethyl Acetate   | ND      | 0.500 | --  | 1.80  | --  |           | 1               |
| Chloroform  | ND      | 0.200 | --  | 0.976 | --  |           | 1               |
| Tetrahydrofuran   | ND      | 0.200 | --  | 0.589 | --  |           | 1               |
| 2,2-Dichloropropane   | ND      | 0.200 | --  | 0.923 | --  |           | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | 0.809 | --  |           | 1               |
| n-Hexane  | ND      | 0.200 | --  | 0.704 | --  |           | 1               |
| Diisopropyl ether   | ND      | 0.200 | --  | 0.835 | --  |           | 1               |
| tert-Butyl Ethyl Ether                                      | ND      | 0.200 | --  | 0.835 | --  |           | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | 1.09  | --  |           | 1               |
| 1,1-Dichloropropene   | ND      | 0.200 | --  | 0.907 | --  |           | 1               |
| Benzene   | ND      | 0.200 | --  | 0.638 | --  |           | 1               |
| Carbon tetrachloride  | ND      | 0.200 | --  | 1.26  | --  |           | 1               |
| Cyclohexane   | ND      | 0.200 | --  | 0.688 | --  |           | 1               |
| tert-Amyl Methyl Ether                                      | ND      | 0.200 | --  | 0.835 | --  |           | 1               |
| Dibromomethane  | ND      | 0.200 | --  | 1.42  | --  |           | 1               |
| 1,2-Dichloropropane   | ND      | 0.200 | --  | 0.924 | --  |           | 1               |
| Bromodichloromethane  | ND      | 0.200 | --  | 1.34  | --  |           | 1               |
| 1,4-Dioxane   | ND      | 0.200 | --  | 0.720 | --  |           | 1               |
| Trichloroethene   | ND      | 0.200 | --  | 1.07  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1014888  
**Report Date:** 10/11/10

### Air Canister Certification Results

|                  |                  |                 |                |
|------------------|------------------|-----------------|----------------|
| Lab ID:          | L1014888-01      | Date Collected: | 09/24/10 00:00 |
| Client ID:       | CAN 155 SHELF 10 | Date Received:  | 09/24/10       |
| Sample Location: |                  | Field Prep:     | Not Specified  |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| 2,2,4-Trimethylpentane                                      | ND      | 0.200 | --  | ND    | 0.934 | --        | 1               |
| Heptane   | ND      | 0.200 | --  | ND    | 0.819 | --        | 1               |
| 2,4,4-trimethyl-1-pentene                                   | ND      | 0.500 | --  | ND    | 2.29  | --        | 1               |
| cis-1,3-Dichloropropene                                     | ND      | 0.200 | --  | ND    | 0.907 | --        | 1               |
| 4-Methyl-2-pentanone  | ND      | 0.200 | --  | ND    | 0.819 | --        | 1               |
| 2,4,4-trimethyl-2-pentene                                   | ND      | 0.500 | --  | ND    | 2.29  | --        | 1               |
| trans-1,3-Dichloropropene                                   | ND      | 0.200 | --  | ND    | 0.907 | --        | 1               |
| 1,1,2-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Toluene   | ND      | 0.200 | --  | ND    | 0.753 | --        | 1               |
| 1,3-Dichloropropane   | ND      | 0.200 | --  | ND    | 0.923 | --        | 1               |
| 2-Hexanone  | ND      | 0.200 | --  | ND    | 0.819 | --        | 1               |
| Dibromochloromethane  | ND      | 0.200 | --  | ND    | 1.70  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Butyl acetate   | ND      | 0.500 | --  | ND    | 2.37  | --        | 1               |
| Octane  | ND      | 0.200 | --  | ND    | 0.934 | --        | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND    | 1.36  | --        | 1               |
| 1,1,1,2-Tetrachloroethane                                   | ND      | 0.200 | --  | ND    | 1.37  | --        | 1               |
| Chlorobenzene   | ND      | 0.200 | --  | ND    | 0.920 | --        | 1               |
| Ethylbenzene  | ND      | 0.200 | --  | ND    | 0.868 | --        | 1               |
| p/m-Xylene  | ND      | 0.400 | --  | ND    | 1.74  | --        | 1               |
| Bromoform   | ND      | 0.200 | --  | ND    | 2.06  | --        | 1               |
| Styrene   | ND      | 0.200 | --  | ND    | 0.851 | --        | 1               |
| 1,1,2,2-Tetrachloroethane                                   | ND      | 0.200 | --  | ND    | 1.37  | --        | 1               |
| o-Xylene  | ND      | 0.200 | --  | ND    | 0.868 | --        | 1               |
| 1,2,3-Trichloropropane                                      | ND      | 0.200 | --  | ND    | 1.20  | --        | 1               |
| Nonane  | ND      | 0.200 | --  | ND    | 1.05  | --        | 1               |
| Isopropylbenzene  | ND      | 0.200 | --  | ND    | 0.982 | --        | 1               |
| Bromobenzene  | ND      | 0.200 | --  | ND    | 1.28  | --        | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1014888**Project Number:** CANISTER QC BAT**Report Date:** 10/11/10**Air Canister Certification Results**

Lab ID: L1014888-01 Date Collected: 09/24/10 00:00  
 Client ID: CAN 155 SHELF 10 Date Received: 09/24/10  
 Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| 2-Chlorotoluene   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| n-Propylbenzene   | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| 4-Chlorotoluene   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| 4-Ethyltoluene  | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                      | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| tert-Butylbenzene   | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                      | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| Decane  | ND      | 0.200 | --  | ND      | 1.16  | --  |           | 1               |
| Benzyl chloride   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| 1,3-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| sec-Butylbenzene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| p-Isopropyltoluene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| n-Butylbenzene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dibromo-3-chloropropane                                 | ND      | 0.200 | --  | ND      | 1.93  | --  |           | 1               |
| Undecane  | ND      | 0.200 | --  | ND      | 1.28  | --  |           | 1               |
| Dodecane  | ND      | 0.200 | --  | ND      | 1.39  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                                      | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Naphthalene   | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| 1,2,3-Trichlorobenzene                                      | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene   | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1014888**Project Number:** CANISTER QC BAT**Report Date:** 10/11/10**Air Canister Certification Results**

|                  |                  |                 |                |
|------------------|------------------|-----------------|----------------|
| Lab ID:          | L1014888-01      | Date Collected: | 09/24/10 00:00 |
| Client ID:       | CAN 155 SHELF 10 | Date Received:  | 09/24/10       |
| Sample Location: |                  | Field Prep:     | Not Specified  |

| Parameter  | ppbV    |    |     | ug/m3   |    |     | Dilution Factor |
|--|---------|----|-----|---------|----|-----|-----------------|
|  | Results | RL | MDL | Results | RL | MDL |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |    |     |         |    |     |                 |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 75         |           | 60-140              |
| Bromochloromethane  | 78         |           | 60-140              |
| chlorobenzene-d5    | 78         |           | 60-140              |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1014888  
**Report Date:** 10/11/10

### Air Canister Certification Results

|                   |                  |                 |                |
|-------------------|------------------|-----------------|----------------|
| Lab ID:           | L1014888-01      | Date Collected: | 09/24/10 00:00 |
| Client ID:        | CAN 155 SHELF 10 | Date Received:  | 09/24/10       |
| Sample Location:  |                  | Field Prep:     | Not Specified  |
| Matrix:           | Air              |                 |                |
| Anaytical Method: | 48,TO-15-SIM     |                 |                |
| Analytical Date:  | 09/25/10 19:03   |                 |                |
| Analyst:          | AJ               |                 |                |

| Parameter  | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|--|---------|-------|-----|-------|-------|-----------|-----------------|
|  |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air by SIM - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Dichlorodifluoromethane                                | ND      | 0.050 | --  | ND    | 0.247 | --        | 1               |
| Chloromethane  | ND      | 0.500 | --  | ND    | 1.03  | --        | 1               |
| Freon-114  | ND      | 0.050 | --  | ND    | 0.349 | --        | 1               |
| Vinyl chloride   | ND      | 0.020 | --  | ND    | 0.051 | --        | 1               |
| 1,3-Butadiene  | ND      | 0.020 | --  | ND    | 0.044 | --        | 1               |
| Bromomethane   | ND      | 0.020 | --  | ND    | 0.078 | --        | 1               |
| Chloroethane   | ND      | 0.020 | --  | ND    | 0.053 | --        | 1               |
| Acetone  | ND      | 2.00  | --  | ND    | 4.75  | --        | 1               |
| Trichlorofluoromethane                                 | ND      | 0.050 | --  | ND    | 0.281 | --        | 1               |
| Acrylonitrile  | ND      | 0.500 | --  | ND    | 1.08  | --        | 1               |
| 1,1-Dichloroethene                                     | ND      | 0.020 | --  | ND    | 0.079 | --        | 1               |
| Methylene chloride                                     | ND      | 1.00  | --  | ND    | 3.47  | --        | 1               |
| Freon-113  | ND      | 0.050 | --  | ND    | 0.383 | --        | 1               |
| Halothane  | ND      | 0.050 | --  | ND    | 0.403 | --        | 1               |
| trans-1,2-Dichloroethene                               | ND      | 0.020 | --  | ND    | 0.079 | --        | 1               |
| 1,1-Dichloroethane                                     | ND      | 0.020 | --  | ND    | 0.081 | --        | 1               |
| Methyl tert butyl ether                                | ND      | 0.020 | --  | ND    | 0.072 | --        | 1               |
| 2-Butanone   | ND      | 0.500 | --  | ND    | 1.47  | --        | 1               |
| cis-1,2-Dichloroethene                                 | ND      | 0.020 | --  | ND    | 0.079 | --        | 1               |
| Chloroform   | ND      | 0.020 | --  | ND    | 0.098 | --        | 1               |
| 1,2-Dichloroethane                                     | ND      | 0.020 | --  | ND    | 0.081 | --        | 1               |
| 1,1,1-Trichloroethane                                  | ND      | 0.020 | --  | ND    | 0.109 | --        | 1               |
| Benzene  | ND      | 0.100 | --  | ND    | 0.319 | --        | 1               |
| Carbon tetrachloride                                   | ND      | 0.020 | --  | ND    | 0.126 | --        | 1               |
| 1,2-Dichloropropane                                    | ND      | 0.020 | --  | ND    | 0.092 | --        | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1014888  
**Report Date:** 10/11/10

### Air Canister Certification Results

Lab ID: L1014888-01 Date Collected: 09/24/10 00:00  
Client ID: CAN 155 SHELF 10 Date Received: 09/24/10  
Sample Location: Field Prep: Not Specified

| Parameter  | Results | ppbV  |     | ug/m3 |     | Qualifier | Dilution Factor |
|--|---------|-------|-----|-------|-----|-----------|-----------------|
|  |         | RL    | MDL | RL    | MDL |           |                 |
| <b>Volatile Organics in Air by SIM - Mansfield Lab</b> |         |       |     |       |     |           |                 |
| Bromodichloromethane                                   | ND      | 0.020 | --  | 0.134 | --  |           | 1               |
| Trichloroethene  | ND      | 0.020 | --  | 0.107 | --  |           | 1               |
| 1,4-Dioxane  | ND      | 0.100 | --  | 0.360 | --  |           | 1               |
| cis-1,3-Dichloropropene                                | ND      | 0.020 | --  | 0.091 | --  |           | 1               |
| 4-Methyl-2-pentanone                                   | ND      | 0.500 | --  | 2.05  | --  |           | 1               |
| trans-1,3-Dichloropropene                              | ND      | 0.020 | --  | 0.091 | --  |           | 1               |
| 1,1,2-Trichloroethane                                  | ND      | 0.020 | --  | 0.109 | --  |           | 1               |
| Toluene  | ND      | 0.020 | --  | 0.075 | --  |           | 1               |
| Dibromochloromethane                                   | ND      | 0.020 | --  | 0.170 | --  |           | 1               |
| 1,2-Dibromoethane                                      | ND      | 0.020 | --  | 0.154 | --  |           | 1               |
| Tetrachloroethene                                      | ND      | 0.020 | --  | 0.136 | --  |           | 1               |
| 1,1,1,2-Tetrachloroethane                              | ND      | 0.020 | --  | 0.137 | --  |           | 1               |
| Chlorobenzene  | ND      | 0.020 | --  | 0.092 | --  |           | 1               |
| Ethylbenzene   | ND      | 0.020 | --  | 0.087 | --  |           | 1               |
| p/m-Xylene   | ND      | 0.040 | --  | 0.174 | --  |           | 1               |
| Bromoform  | ND      | 0.020 | --  | 0.206 | --  |           | 1               |
| Styrene  | ND      | 0.020 | --  | 0.085 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                              | ND      | 0.020 | --  | 0.137 | --  |           | 1               |
| o-Xylene   | ND      | 0.020 | --  | 0.087 | --  |           | 1               |
| Isopropylbenzene                                       | ND      | 0.500 | --  | 2.46  | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                 | ND      | 0.020 | --  | 0.098 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                 | ND      | 0.020 | --  | 0.098 | --  |           | 1               |
| 1,3-Dichlorobenzene                                    | ND      | 0.020 | --  | 0.120 | --  |           | 1               |
| 1,4-Dichlorobenzene                                    | ND      | 0.020 | --  | 0.120 | --  |           | 1               |
| sec-Butylbenzene                                       | ND      | 0.500 | --  | 2.74  | --  |           | 1               |
| p-Isopropyltoluene                                     | ND      | 0.500 | --  | 2.74  | --  |           | 1               |
| 1,2-Dichlorobenzene                                    | ND      | 0.020 | --  | 0.120 | --  |           | 1               |
| n-Butylbenzene   | ND      | 0.500 | --  | 2.74  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1014888**Project Number:** CANISTER QC BAT**Report Date:** 10/11/10**Air Canister Certification Results**

|                  |                  |                 |                |
|------------------|------------------|-----------------|----------------|
| Lab ID:          | L1014888-01      | Date Collected: | 09/24/10 00:00 |
| Client ID:       | CAN 155 SHELF 10 | Date Received:  | 09/24/10       |
| Sample Location: |                  | Field Prep:     | Not Specified  |

| Parameter  | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|  | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air by SIM - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| 1,2,4-Trichlorobenzene                                 | ND      | 0.050 | --  | ND      | 0.371 | --  |           | 1               |
| Naphthalene  | ND      | 0.050 | --  | ND      | 0.262 | --  |           | 1               |
| 1,2,3-Trichlorobenzene                                 | ND      | 0.050 | --  | ND      | 0.371 | --  |           | 1               |
| Hexachlorobutadiene                                    | ND      | 0.050 | --  | ND      | 0.533 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1014888**Project Number:** CANISTER QC BAT**Report Date:** 10/11/10**Air Canister Certification Results**

|                  |                  |                 |                |
|------------------|------------------|-----------------|----------------|
| Lab ID:          | L1014888-01      | Date Collected: | 09/24/10 00:00 |
| Client ID:       | CAN 155 SHELF 10 | Date Received:  | 09/24/10       |
| Sample Location: |                  | Field Prep:     | Not Specified  |

| Parameter                                       | ppbV    |    |     | ug/m3   |    |     | Dilution Factor |
|---|---------|----|-----|---------|----|-----|-----------------|
|   | Results | RL | MDL | Results | RL | MDL |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |    |     |         |    |     |                 |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-difluorobenzene | 74         |           | 60-140              |
| bromochloromethane  | 79         |           | 60-140              |
| chlorobenzene-d5    | 79         |           | 60-140              |

# **AIR Petro Can Certification**

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1014119  
**Report Date:** 10/11/10

### AIR CAN CERTIFICATION RESULTS

|                    |                 |                 |                |
|--------------------|-----------------|-----------------|----------------|
| Lab ID:            | L1014119-01     | Date Collected: | 09/10/10 00:00 |
| Client ID:         | CAN 383 SHELF 9 | Date Received:  | 09/10/10       |
| Sample Location:   | Not Specified   | Field Prep:     | Not Specified  |
| Matrix:            | Air             |                 |                |
| Analytical Method: | 96,APH          |                 |                |
| Analytical Date:   | 09/15/10 19:14  |                 |                |
| Analyst:           | RY              |                 |                |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | ND     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1014888  
**Report Date:** 10/11/10

### AIR CAN CERTIFICATION RESULTS

|                    |                  |                 |                |
|--------------------|------------------|-----------------|----------------|
| Lab ID:            | L1014888-01      | Date Collected: | 09/24/10 00:00 |
| Client ID:         | CAN 155 SHELF 10 | Date Received:  | 09/24/10       |
| Sample Location:   | Not Specified    | Field Prep:     | Not Specified  |
| Matrix:            | Air              |                 |                |
| Analytical Method: | 96,APH           |                 |                |
| Analytical Date:   | 09/25/10 19:03   |                 |                |
| Analyst:           | RY               |                 |                |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | ND     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

### Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

#### **Cooler Information Custody Seal**

##### **Cooler**

N/A Present/Intact

#### **Container Information**

| Container ID | Container Type     | Cooler | pH | Temp deg C | Pres | Seal           | Analysis(*)                       |
|--------------|--------------------|--------|----|------------|------|----------------|-----------------------------------|
| L1015359-01A | Canister - 1 Liter | N/A    | NA |            | NA   | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30) |
| L1015359-02A | Canister - 1 Liter | N/A    | NA |            | NA   | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30) |
| L1015359-03A | Canister - 1 Liter | N/A    | NA |            | NA   | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30) |
| L1015359-04A | Canister - 1 Liter | N/A    | NA |            | NA   | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30) |
| L1015359-05A | Canister - 1 Liter | N/A    | NA |            | NA   | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30) |
| L1015359-06A | Canister - 1 Liter | N/A    | NA |            | NA   | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30) |
| L1015359-07A | Canister - 1 Liter | N/A    | NA |            | NA   | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30) |
| L1015359-08A | Canister - 1 Liter | N/A    | NA |            | NA   | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30) |
| L1015359-09A | Canister - 1 Liter | N/A    | NA |            | NA   | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30) |
| L1015359-10A | Canister - 1 Liter | N/A    | NA |            | NA   | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30) |
| L1015359-11A | Canister - 1 Liter | N/A    | NA |            | NA   | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30) |

\*Values in parentheses indicate holding time in days

**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

## GLOSSARY

### **Acronyms**

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

### **Terms**

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

### **Data Qualifiers**

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

**Report Format:** Data Usability Report



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

*Data Qualifiers*

- RE** - Analytical results are from sample re-extraction.  
**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).  
**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report



**Project Name:** 7-11 LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1015359  
**Report Date:** 10/11/10

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.
- 51 Determination of Carbon Dioxide, Methane, Nitrogen and Oxygen from Stationary Sources. Method 3C. Appendix A, Part 60, 40 CFR (Code of Federal Regulations). June 20, 1996.
- 96 Method for the Determination of Air-Phase Petroleum Hydrocarbons (APH), MassDEP, December 2009, Revision 1 with QC Requirements & Performance Standards for the Analysis of APH by GC/MS under the Massachusetts Contingency Plan, WSC-CAM-IXA, July 2010.

## LIMITATION OF LIABILITIES

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

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



## **Certificate/Approval Program Summary**

Last revised July 19, 2010 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health Certificate/Lab ID: PH-0141.**

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

**Florida Department of Health Certificate/Lab ID: E87814. **NELAP Accredited.****

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

**Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. **NELAP Accredited.****

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270, )

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

**Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.**

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. **NELAP Accredited.****

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. **NELAP Accredited.****

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

*Atmospheric Organic Parameters* (EPA TO-15)

*Biological Tissue* (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

**New York Department of Health** Certificate/Lab ID: 11627. **NELAP Accredited.**

*Non-Potable Water* (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

*Air & Emissions* (EPA TO-15.)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

**Texas Commission of Environmental Quality** Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

*Solid & Chemical Materials* (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

*Air* (Organic Parameters: EPA TO-15)

**U.S. Army Corps of Engineers**

**Department of Defense** Certificate/Lab ID: L2217.01.

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 3051, 6020, 747A, 7474, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

*Air & Emissions* (EPA TO-15.)

#### **Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl.

| AIR ANALYSIS PAGE 1 OF 2   |            |      |            |          |                  |                      |                    |          |     |                      |            |
|--|------------|------|------------|----------|------------------|----------------------|--------------------|----------|-----|----------------------|------------|
| ALPHA ANALYTICAL CHAIN OF CUSTODY  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| 320 Forbes Blvd, Mansfield, MA 02048<br>TEL: 508-822-9300 FAX: 508-822-3288  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Client Information   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Project Name: 7-11   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Project Location: LEWISON, MAINE   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Client: MAINE DEP  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Address: 312 CANCO ROAD  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Phone: (207) 822-6364  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Fax:   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Email: pete.m.evremek@maine.gov  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| □ These samples have been previously analyzed by Alpha   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Other Project Specific Requirements/Comments:  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Report to: (if different than Project Manager)<br>JerseyC.Summerville@maine.gov  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Criteria Checker:<br>EMAIL (standard pdf report)   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| □ Additional Deliverables:   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| □ RUSH (only confirmed if pre-approved)  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Date Due: Time: Standard   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Regulatory Requirements/Report Limits  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| State/Fed Program Criteria   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Date Rec'd in Lab: ALPHA Job #: L1015359   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Report Information - Data Deliverables   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Billing Information  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Same as Client Info PO #:  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| □ FAX  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| □ EMADEX   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| (Default based on Regulatory Criteria indicated)   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Other Formats: MAINE DEP EDD   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| APH  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| TO-14A by TO-15  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| TO-15 ("9 CHLOR")  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| TO-15 SIM  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| FIXED GASES CO <sub>2</sub> CO CH <sub>4</sub>   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| TO-13A   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| TO-4 / TO-10   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| ANALYSIS   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Sample Comments (i.e. PID)   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| All Columns Below Must Be Filled Out   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| ALPHA Lab ID<br>(Lab Use Only)   | Sample ID  | Date | Start Time | End Time | Vacuum           | Final Sample Matrix* | Sampler's Initials | Can Size | ID  | ID - Flow Controller |            |
| 15159.1  | SV-105-18  | 9-29 | 16:45      | 17:24    | -30              | -2                   | JKC                | 1L       | JKD | 0404 X X             |            |
| 2  | SV-105-11  | 9-29 | 16:30      | 17:17    | -30              | -3                   | JKC                | 1L       | JKB | 0412 X X             |            |
| 3  | SV-105-11A | 9-29 | 16:30      | 17:17    | -30              | -3                   | JKC                | 1L       | JKD | 0180 X X             |            |
| 4  | SV-105-4   | 9-29 | 16:22      | 17:07    | -30              | -1                   | JKC                | 1L       | JKB | 0130 X X             |            |
| 5  | SV-102-11  | 9-29 | 12:54      | 17:25    | -28              | -14                  | SV                 | JKC      | 1L  | JKD                  | 0424 X X   |
| 6  | SV-102-4   | 9-29 | 13:16      | 13:52    | -28              | -5                   | SV                 | BPH      | 1L  | 414                  | 0217 X X   |
| 7  | SV-103-4   | 9-29 | 12:17      | 12:40    | -30              | -1                   | SV                 | JKC      | 1L  | JKB                  | 0298 X X   |
| 8  | SSV-02     | 9-29 | 10:53      | 11:19    | -30 <sup>+</sup> | -6                   | SV                 | PME      | 1L  | 209                  | 0052 X X   |
| 9  | SV-103-9   | 9-29 | 12:21      | 12:57    | -30 <sup>+</sup> | -5                   | SV                 | DMW      | 1L  | 484                  | 437 X X X  |
| 10   | SSV-01     | 9-29 | 11:13      | 11:43    | -26              | -5                   | SV                 | PME      | 1L  | 383                  | 0048 X X X |
| AA = Ambient Air (Indoor/Outdoor)<br>SV = Soil Vapor/Landfill Gas/SVE<br>Other = Please Specify  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Container Type   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Please print clearly, legibly and completely. Samples can not be bogged in and turnaround time clock will not start until all samples submitted are subject to Alpha's terms and conditions. See reverse side. |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Relinquished By: Date/Time: Received By: Date/Time:  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| Pete   |            |      |            |          |                  |                      |                    |          |     |                      |            |
| 9-30 845 FED EX  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| W  |            |      |            |          |                  |                      |                    |          |     |                      |            |
| 10/10 1030   |            |      |            |          |                  |                      |                    |          |     |                      |            |

**ALPHA****CHAIN OF CUSTODY****AIR ANALYSIS PAGE 2 OF 2**

Date Rec'd in Lab:

ALPHA Job #:

L10111016:26

320 Forbes Blvd, Mansfield, MA 02048  
TEL: 508-822-9300 FAX: 508-822-3288**Client Information**Client: **MAINE DEP**Address: **312 Canoe Road**Phone: **(207) 822-6764**

Fax:

Email: **pete.m.emeita@maine.gov**

Date Due:

Time:

Standard  RUSH (only confirmed if pre-approved)

Report to: (if different than Project Manager)  
**Jessica.P.Summerville@maine.gov**

Additional Deliverables:  
**EMAIL (standard pdf report)**

Regulatory Requirements/Report Limits  
**State/Fed**      **Program**      **Criteria**

Same as Client Info  
**PO #:**

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

**All Columns Below Must Be Filled Out**

Collection Initial Final Sample Sampler's ID ID - Flow  
Date Start Time End Time Vacuum Matrix\* Initials Can Can Controller

**SV - 102-4** 9-29 12:48 13:27 -30 O SV JMC NL 450 280 X

X

X

X

X

X

Sample Comments (i.e. PID)  
TO-14A by TO-15  
TO-15 (9 CH<sub>4</sub> use)  
TO-15 SIM  
APH  
FIXED GASES O<sub>2</sub>+CO<sub>2</sub>,CH<sub>4</sub>  
TO-13A  
TO-4 / TO-10

**ANALYSIS**

\*SAMPLE MATRIX CODES  
AA = Ambient Air (Indoor/Outdoor)  
SV = Soil/Vapor/Landfill/Gas/SVE  
Other = Please Specify

Container Type

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

Relinquished By: **Pete** Date/Time: **9-30 845** Received By: **FEDEX**

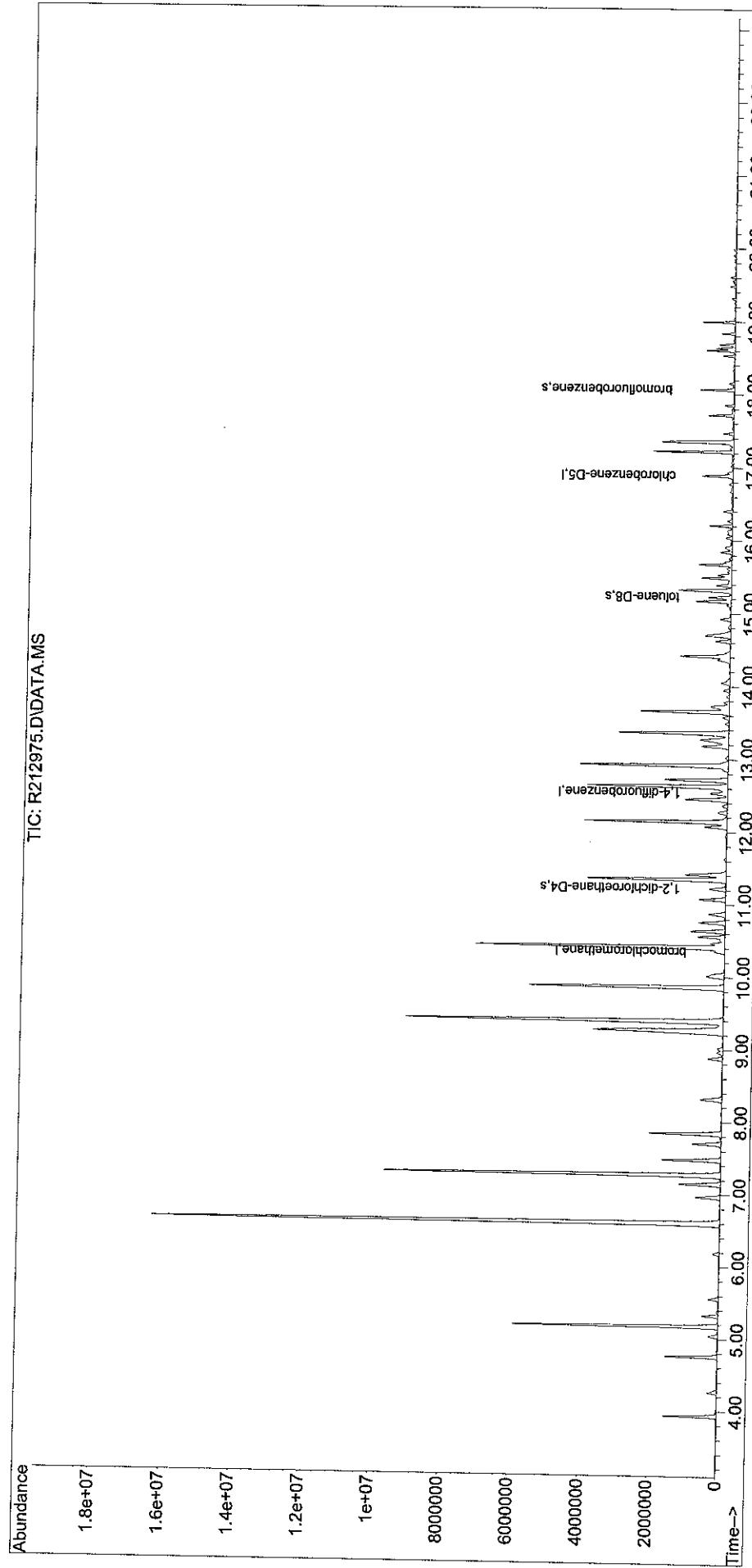
Date/Time: **10/1/01 1630**

**TO-15**

File List :  $\gamma_{\text{Chlorinateds+EDB}}$  - .  
█ (QT Reviewed)

Data Path : O:\Forensics\DATA\AIR2\2010\101005T\  
 Data File : R212975.D  
 Acq On : 6 Oct 2010 7:03 am  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-01d,3,0.8680,250  
 Misc : wg435820,icall5215  
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 06 13:28:47 2010  
 Quant Method : O:\Forensics\DATA\AIR2\2010\101005T\TALL100730.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 QLast Update : Sat Jul 31 11:54:33 2010  
 Response via : Initial Calibration



Sub List : 9\_Chlorinateds+EDB - ■■■ (QT Reviewed)

Data Path : O:\Forensics\DATA\AIR2\2010\101007T\  
 Data File : R213020.D  
 Acq On : 7 Oct 2010 2:28 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-02d,3,2,0935,250  
 Misc : wg435820,ical15215  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 07 15:05:53 2010

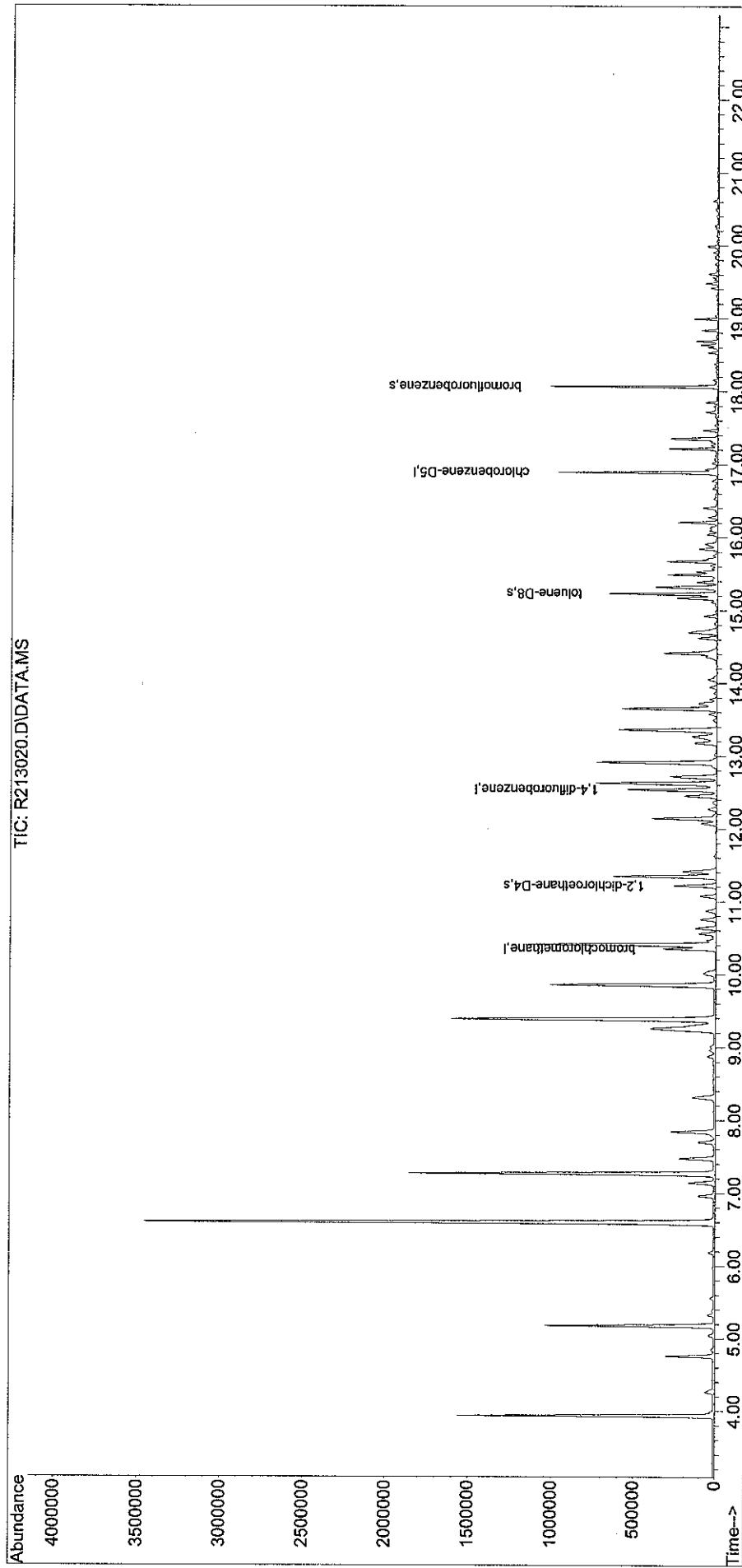
Quant Method : O:\Forensics\DATA\AIR2\2010\101007T\TALL100730.M

Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis

QLast Update : Sat Jul 31 11:54:33 2010

Response via : Initial Calibration

TIC: R213020.D\DATA.MS

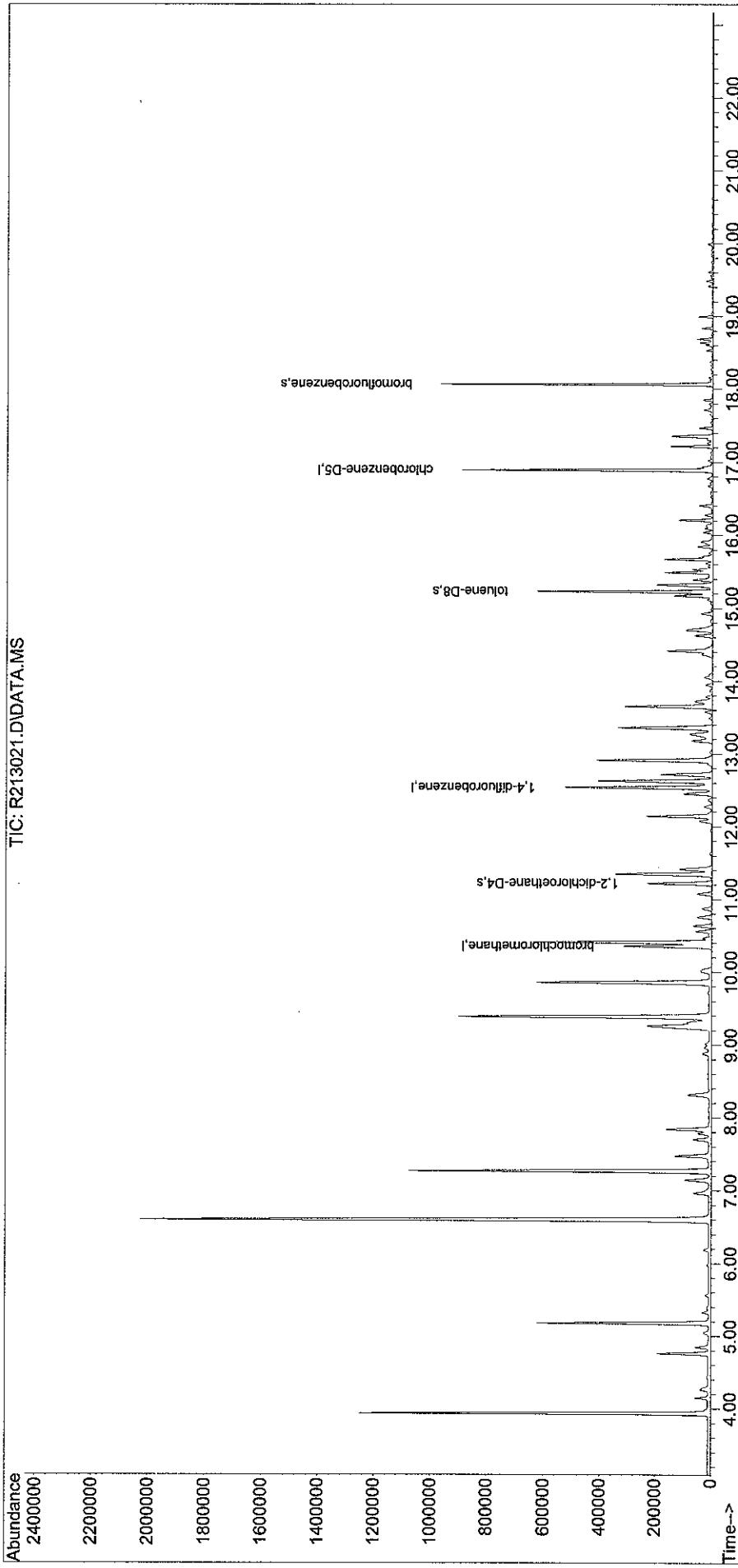


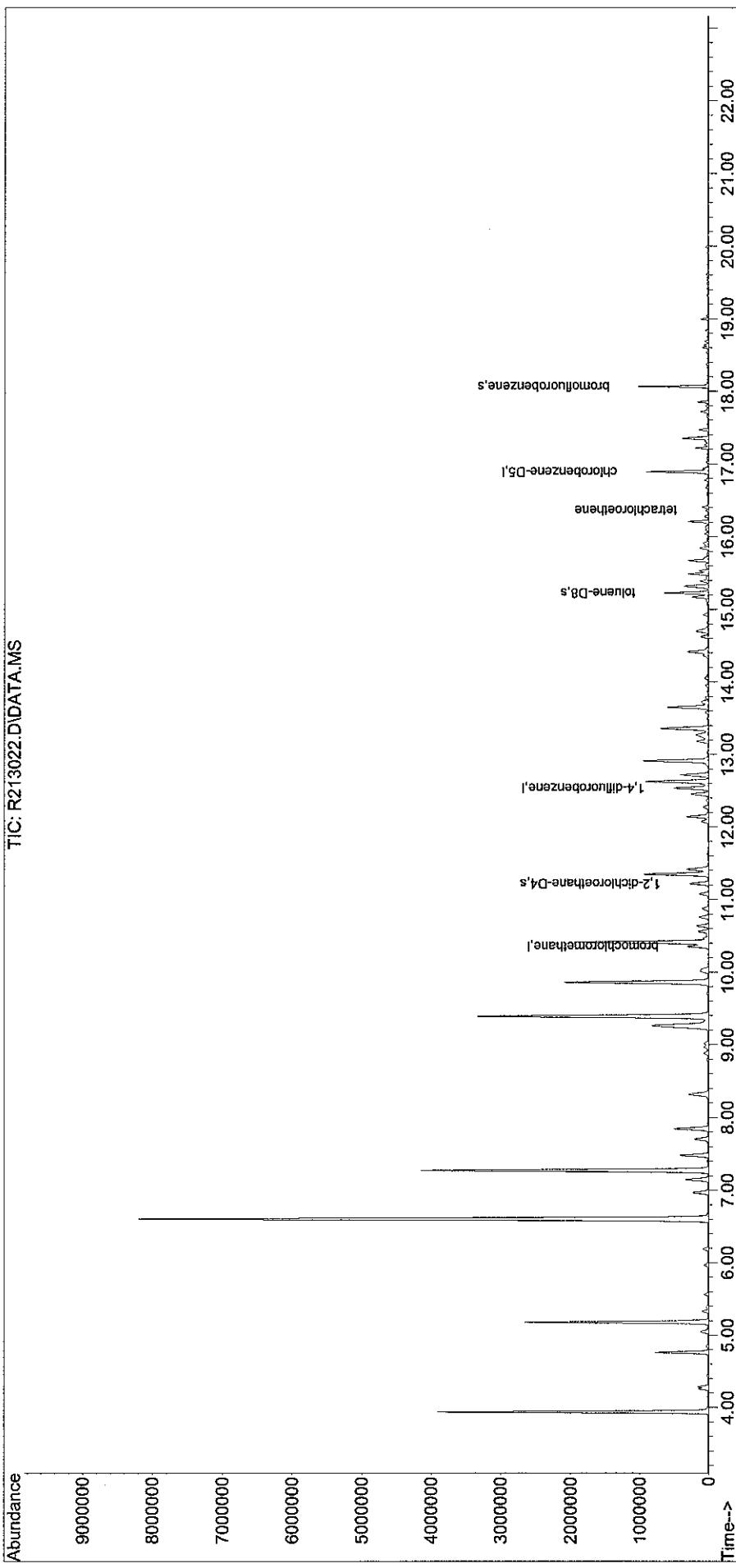
Sub List : 9\_Chlorinateds+EDB - . (QT Reviewed)

Data Path : O:\Forensics\DATA\AIR2\2010\101007T\  
 Data File : R213021.D  
 Acq On : 7 Oct 2010 3:07 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-03d,3,2.1699,250  
 Misc : wg435820,ical5215  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 07 15:39:16 2010  
 Quant Method : O:\Forensics\DATA\AIR2\2010\101007T\TALL100730.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 Last Update : Sat Jul 31 11:54:33 2010  
 Response via : Initial Calibration

TIC: R213021.D\DATA.MS





Sub List : 9\_Chlorinateds+EDB - (QT Reviewed)

Data Path : O:\Forensics\DATA\AIR2\2010\101007T\  
 Data File : R213033.D

Acq On : 7 Oct 2010 10:40 pm

Operator : AIRPIANO2:aj

Sample : 11015359-05d,3,1,8643,250

Misc : wg435820,ical5215

ALS Vial : 7 Sample Multiplier: 1

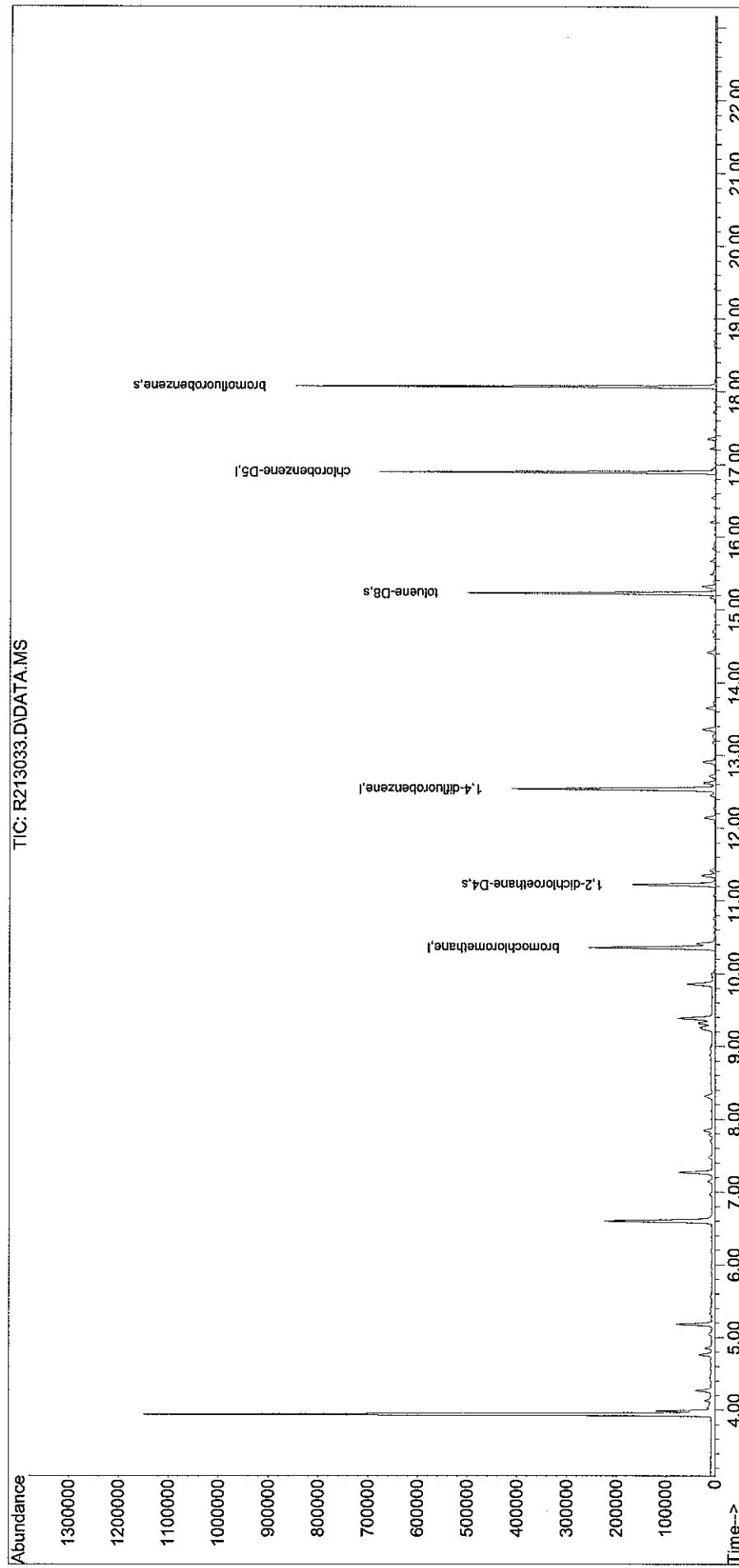
Quant Time: Oct 08 06:16:06 2010

Quant Method : O:\Forensics\DATA\AIR2\2010\101007T\TALL100730.M

Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis

QLast Update : Sat Jul 31 11:54:33 2010

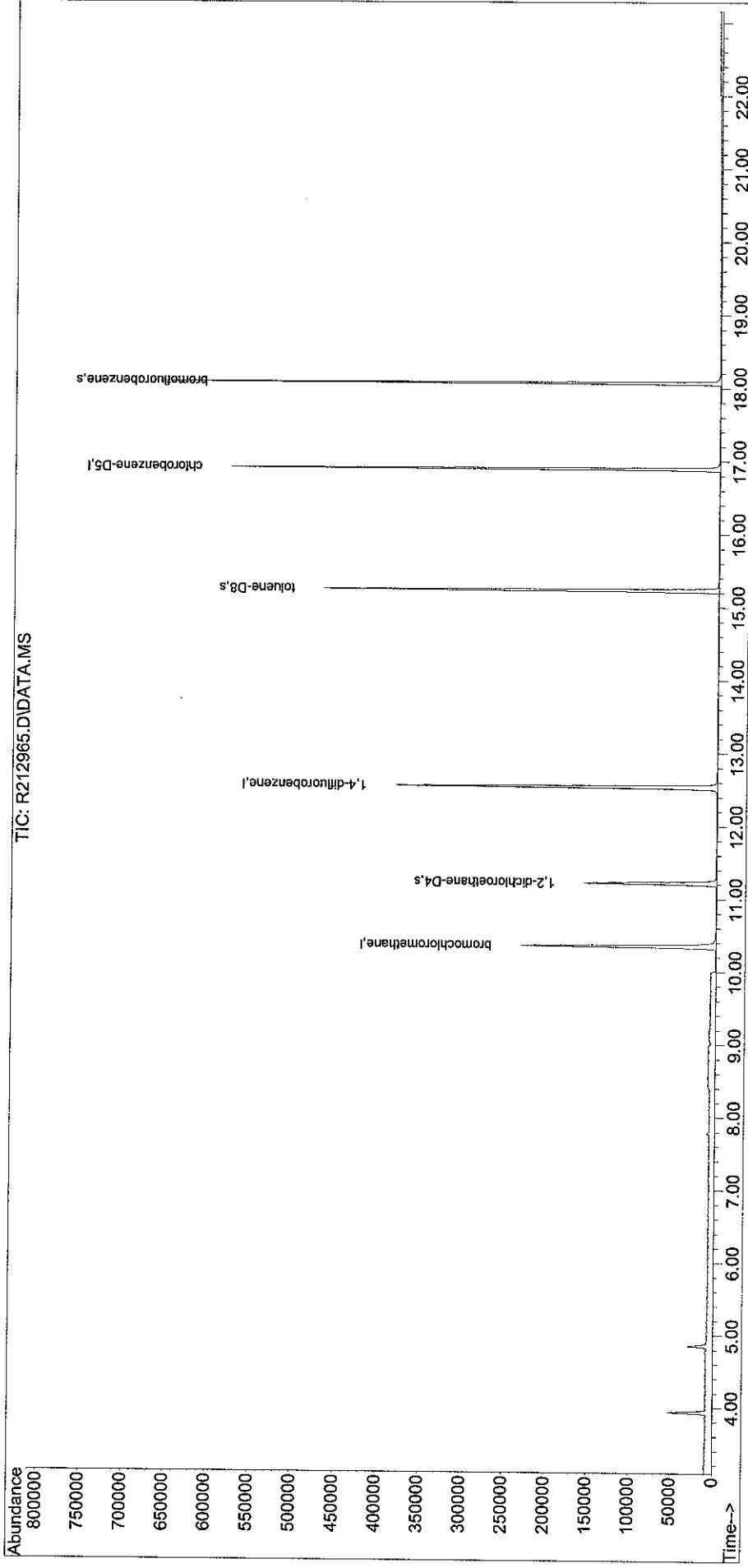
Response via : Initial Calibration



Sub List : 9\_Chlorinateds+EDB - . (QT Reviewed)

Data Path : O:\Forensics\DATA\AIR2\2010\101005T\  
 Data File : R212965.D  
 Acc On : 5 Oct 2010 4:50 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-06,3,250,250  
 Misc : wg435820,ical15215  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 06 13:24:41 2010  
 Quant Method : O:\Forensics\DATA\AIR2\2010\101005T\TALL100730.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 QLast Update : Sat Jul 31 11:54:33 2010  
 Response via : Initial Calibration

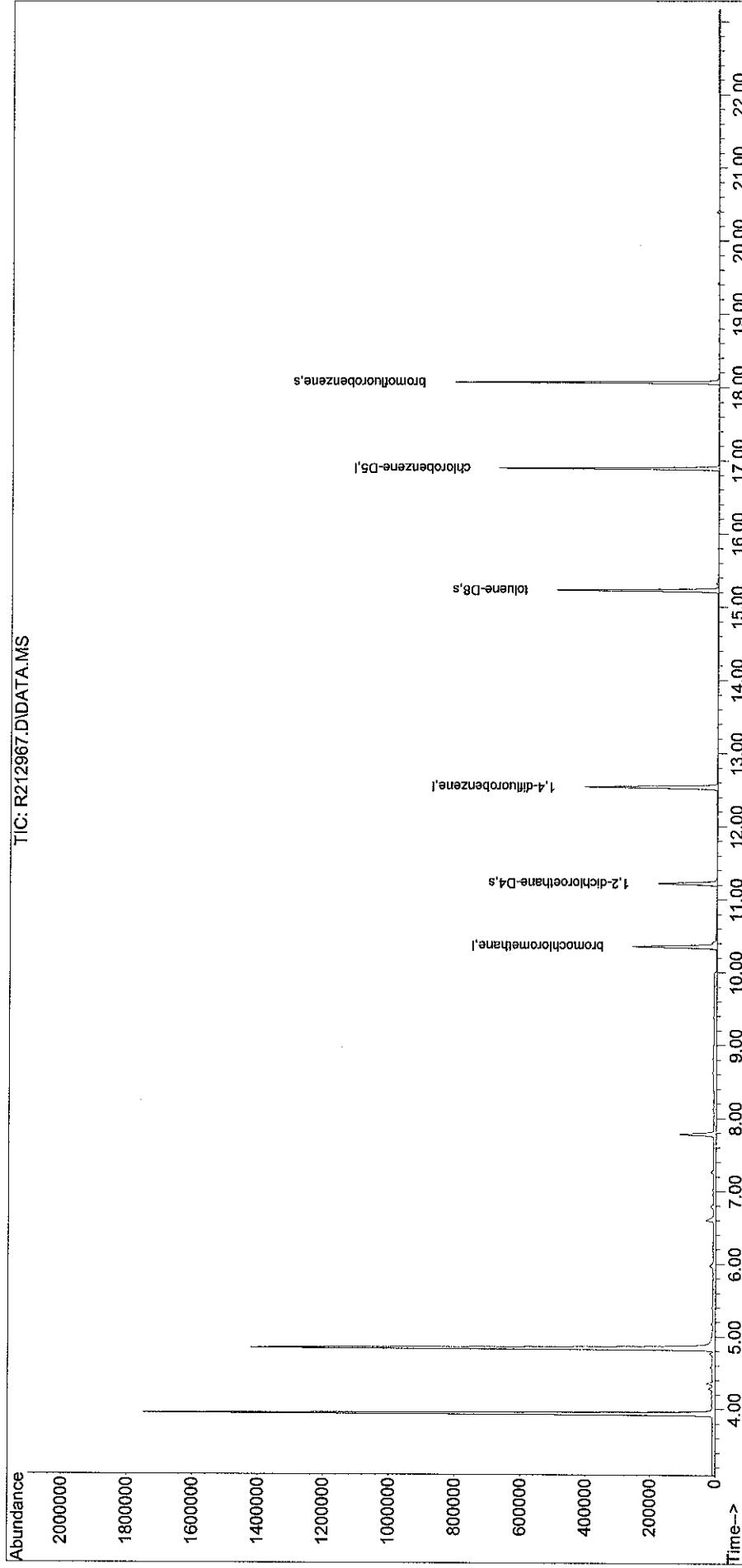


Sub List : 9\_Chlorinateds+EDB - • (QT Reviewed)

Data Path : O:\Forensics\Data\AIR2\2010\101005T\  
 Data File : R212967.D  
 Acq On : 5 Oct 2010 6:08 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-07,3,250,250  
 Misc : wg435820,ical15215  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 05 20:00:27 2010  
 Quant Method : O:\Forensics\Data\AIR2\2010\101005T\TALL100730.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 QLast Update : Sat Jul 31 11:54:33 2010  
 Response via : Initial Calibration

TIC: R212967.D\DATA.MS

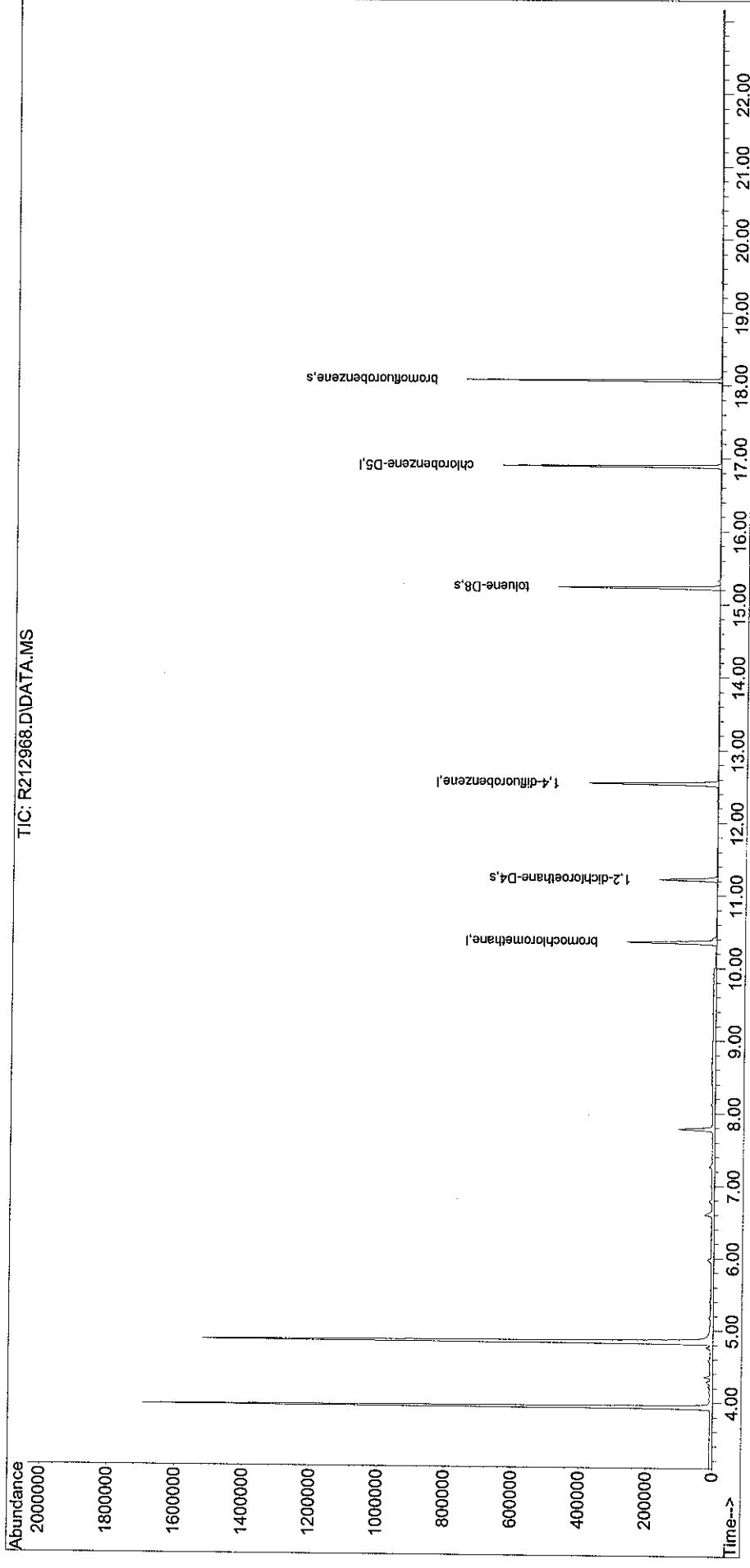


Sub List : 9\_Chlorinateds+EDB - (QT Reviewed)

Data Path : O:\Forensics\DATA\AIR2\2010\101005T\  
 Data File : R212968.D  
 Acq On : 5 Oct 2010 6:47 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-08,3,250,250  
 Misc : wg435820,ical5215  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 05 20:00:52 2010  
 Quant Method : O:\Forensics\DATA\AIR2\2010\101005T\TALL100730.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 QLast Update : Sat Jul 31 11:54:33 2010  
 Response via : Initial Calibration

TIC: R212968.D\DATA.MS

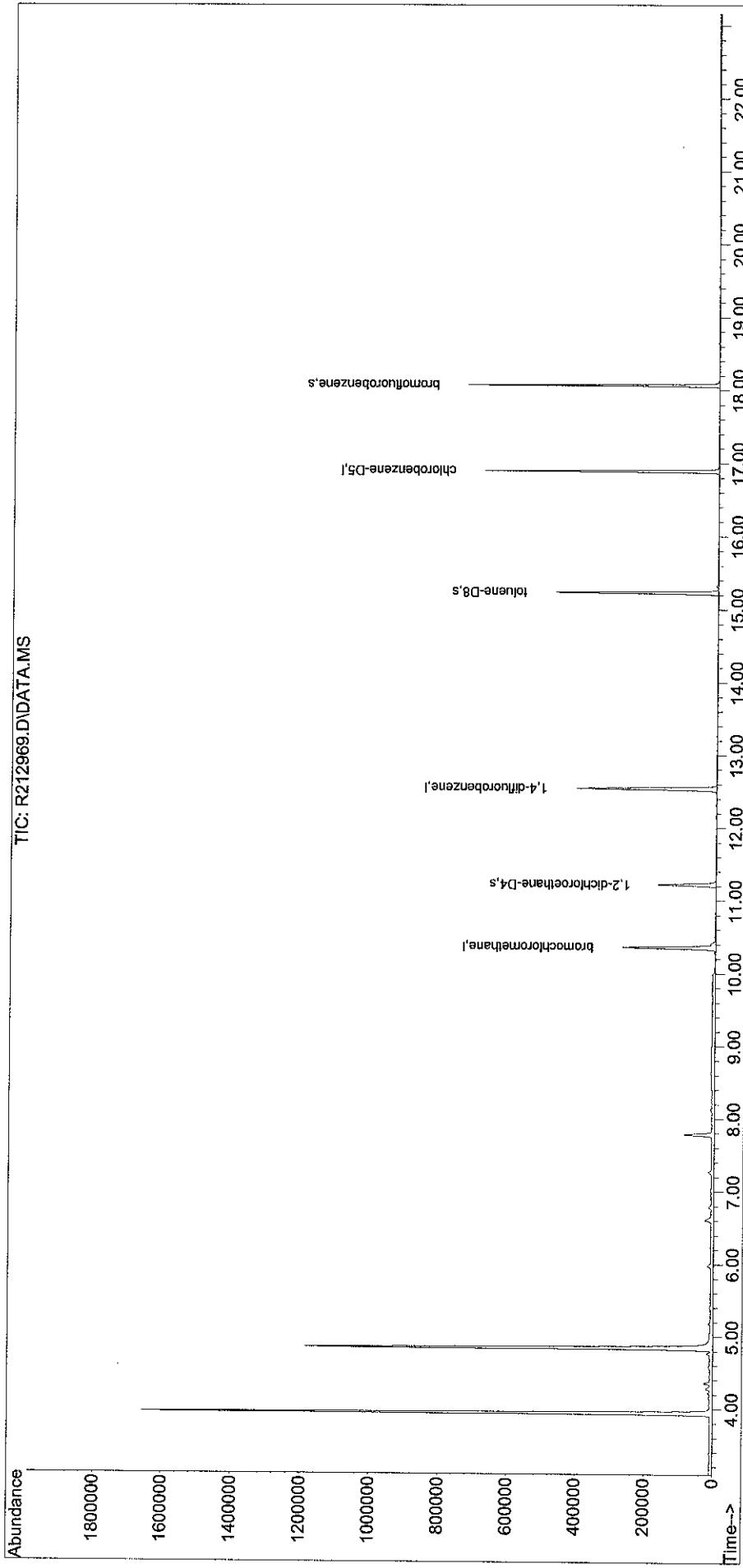


Sub List : 9\_Chlorinateds+EDB - . (QT Reviewed)

Data Path : O:\Forensics\DATA\AIR2\2010\101005T\  
 Data File : R212969.D  
 Acq On : 5 Oct 2010 7:27 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-09,3,250,250  
 Misc : wg435820,ical5215  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 05 20:01:09 2010  
 Quant Method : O:\Forensics\DATA\AIR2\2010\101005T\TALL100730.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 QLast Update : Sat Jul 31 11:54:33 2010  
 Response via : Initial Calibration

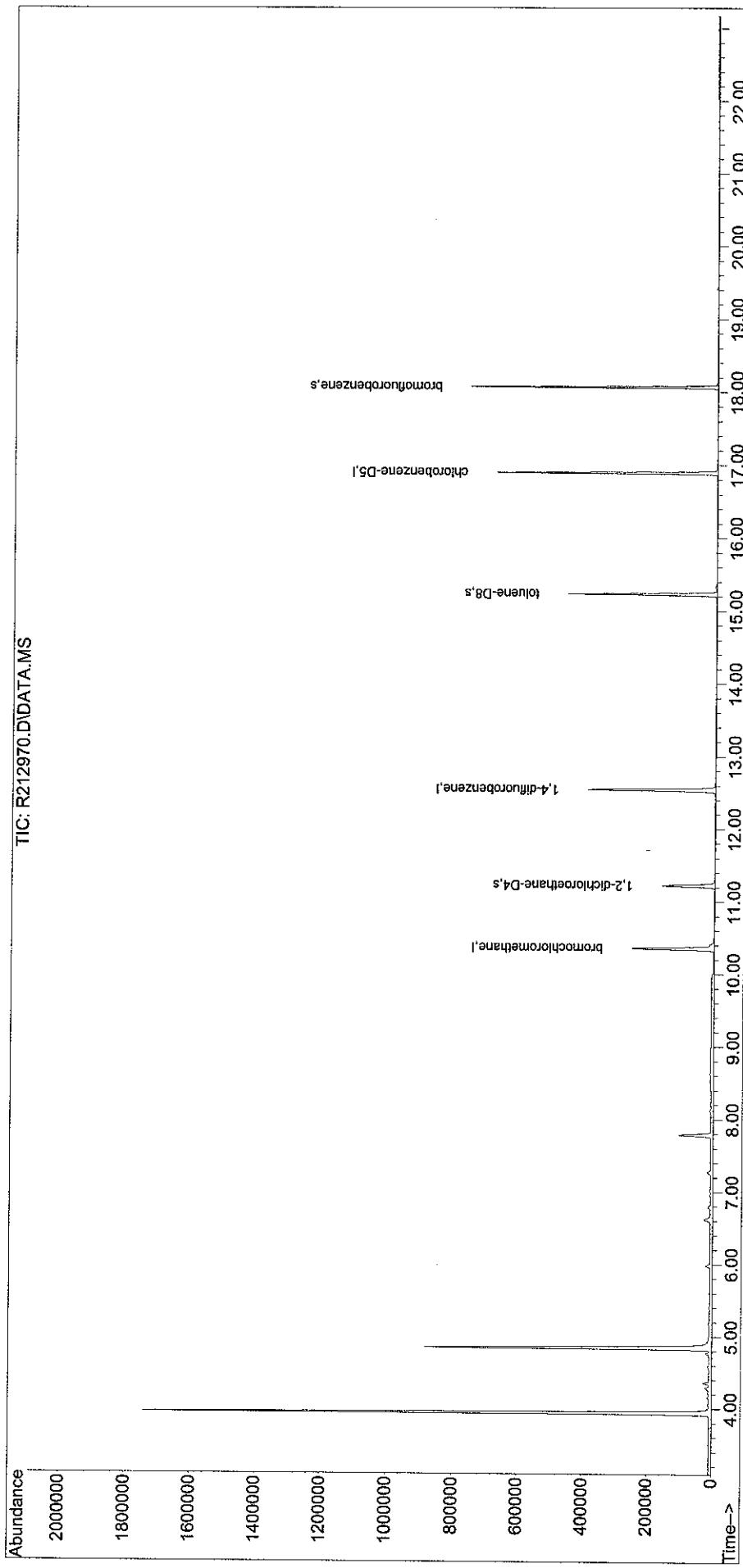
TIC: R212969.D\DATA.MS



Sub List : 9\_Chlorinateds+EDB - .checkbox (QT Reviewed)

Data Path : O:\Forensics\DATA\AIR2\2010\101005T\  
 Data File : R212970.D  
 Acq On : 5 Oct 2010 8:04 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-10,3,250,250  
 Misc : wg435820,ical15215  
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 05 21:43:34 2010  
 Quant Method : O:\Forensics\DATA\AIR2\2010\101005T\TALL100730.M  
 Quant Title : TO-14A/TO-15 SIM/FULL Scan Analysis  
 QLast Update : Sat Jul 31 11:54:33 2010  
 Response via : Initial Calibration



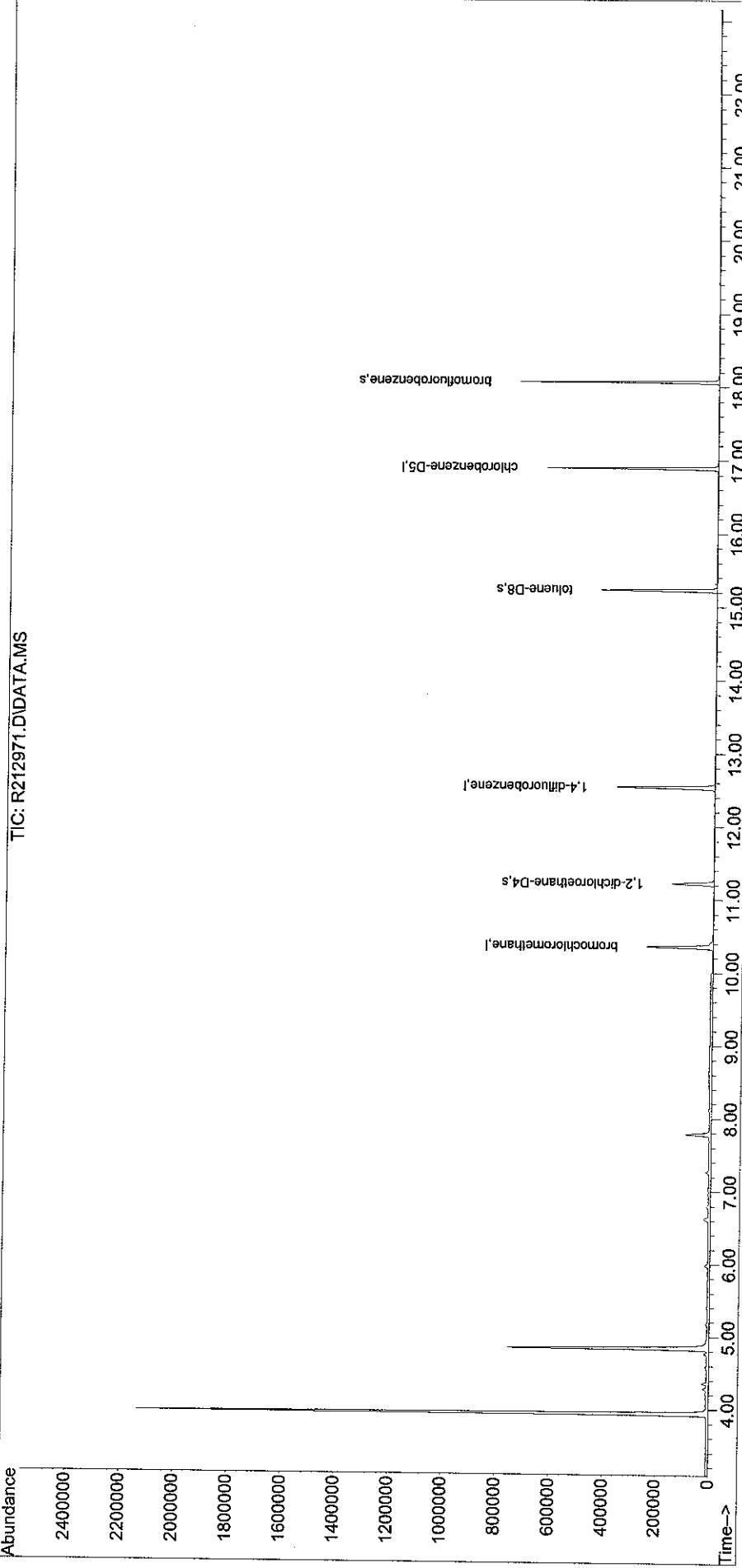
Sub List : 9\_Chlorinateds+EDB - . (QT Reviewed)

Data Path : O:\Forensics\Data\AIR2\2010\101005T\  
 Data File : R212971.D  
 Acq On : 5 Oct 2010 8:43 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-11,3,250,250  
 Misc : wg435820,ical15215  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 05 21:43:54 2010  
 Quant Method : O:\Forensics\Data\AIR2\2010\101005T\TALL100730.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 QLast Update : Sat Jul 31 11:54:33 2010  
 Response via : Initial Calibration

Abundance

TIC: R212971.D\DATA.MS



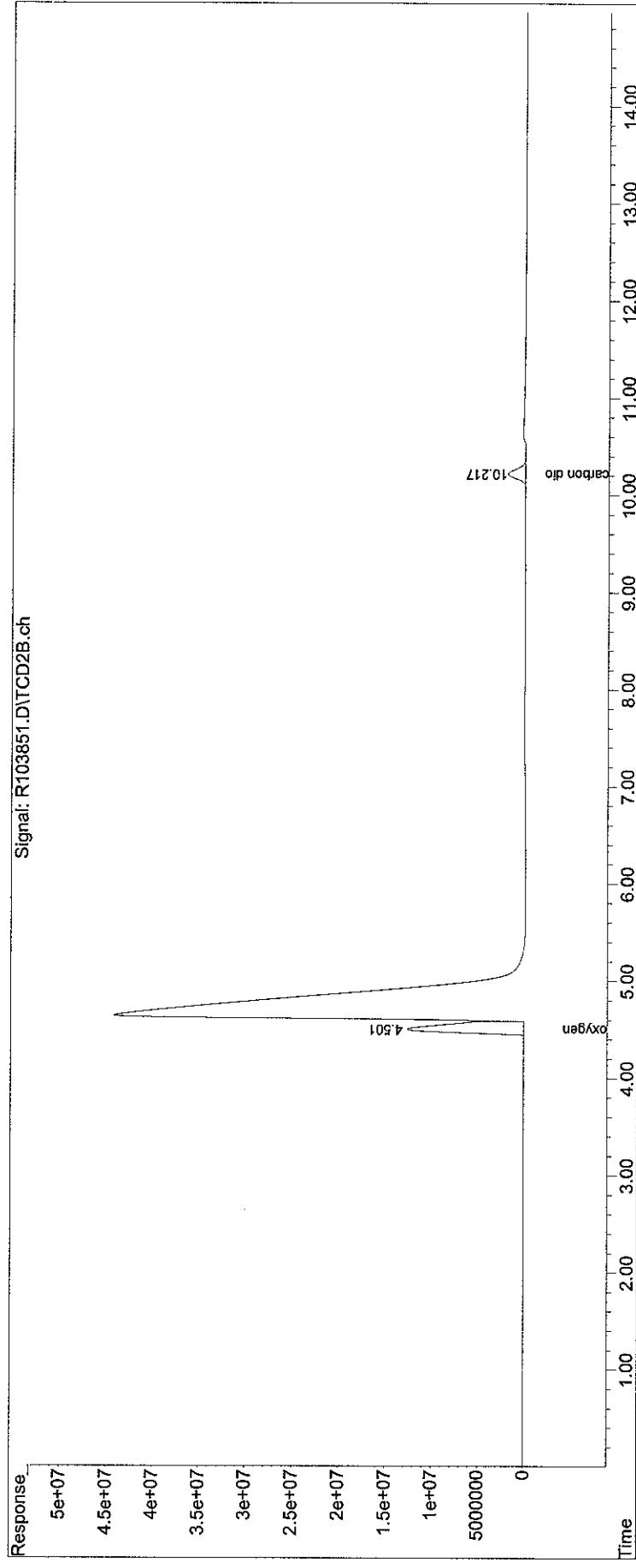
# **Fixed Gases**

## Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\101007FG\  
 Data File : R103851.D  
 Signal(s) : TCD2B.ch  
 Acq On : 7 Oct 2010 7:13 pm  
 Operator : airlab10.RV  
 Sample : L1015359-01D,4,0.7086,1  
 Misc : WG436057,ICAL5222  
 ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Oct 08 13:28:23 2010  
 Quant Method : O:\Forensics\Data\airlab10\101007FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Tue Aug 03 13:42:03 2010  
 Response via : Initial Calibration  
 Integrator: Chemstation

Volume Inj. :  
 Signal Phase :  
 Signal Info :

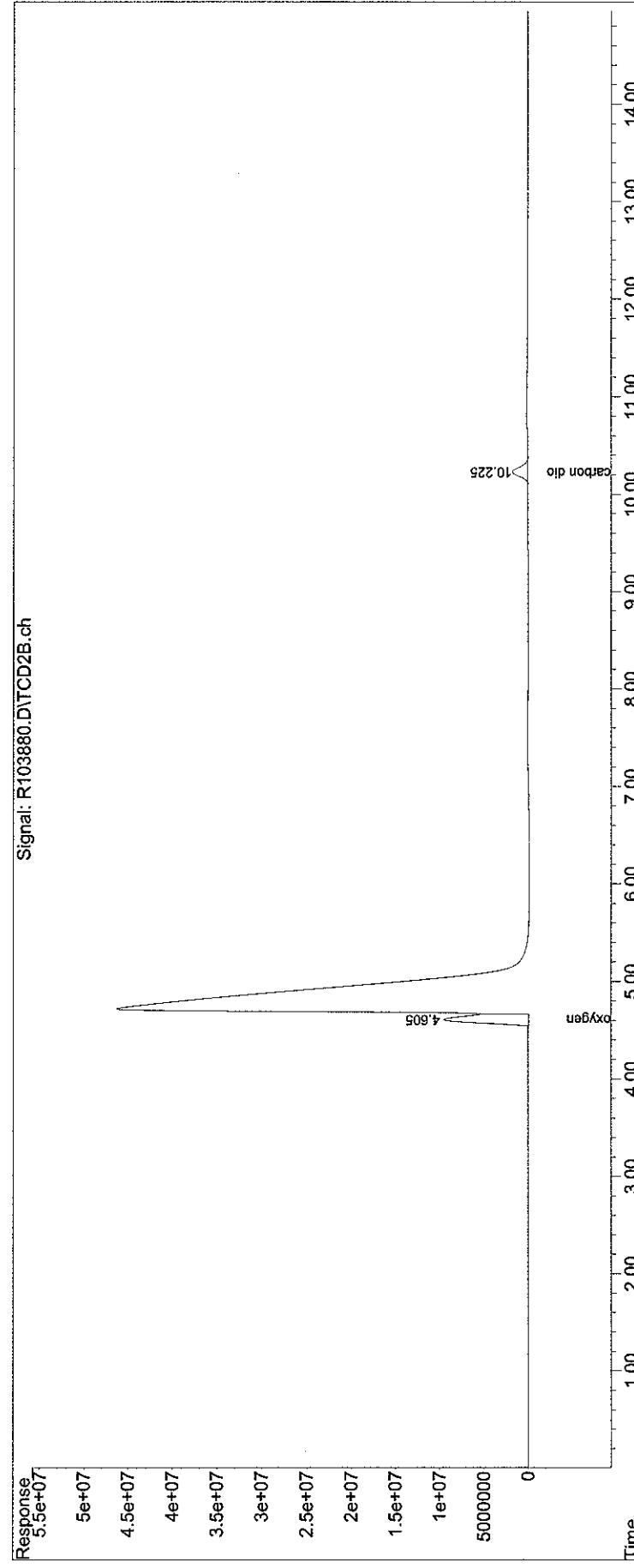


## Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\101008FG\  
 Data File : R103880.D  
 Signal(s) : TCD2B.ch  
 Acq On : 8 Oct 2010 3:17 pm  
 Operator : airlab10:RY  
 Sample : L1015359-02D,4,0.4990,1  
 Misc : WG436057,ICAL5222  
 ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Oct 08 15:39:42 2010  
 Quant Method : O:\Forensics\Data\airlab10\101007FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Tue Aug 03 13:42:03 2010  
 Response via : Initial Calibration  
 Integrator: Chemstation

Volume Inj. :  
 Signal Phase :  
 Signal Info :

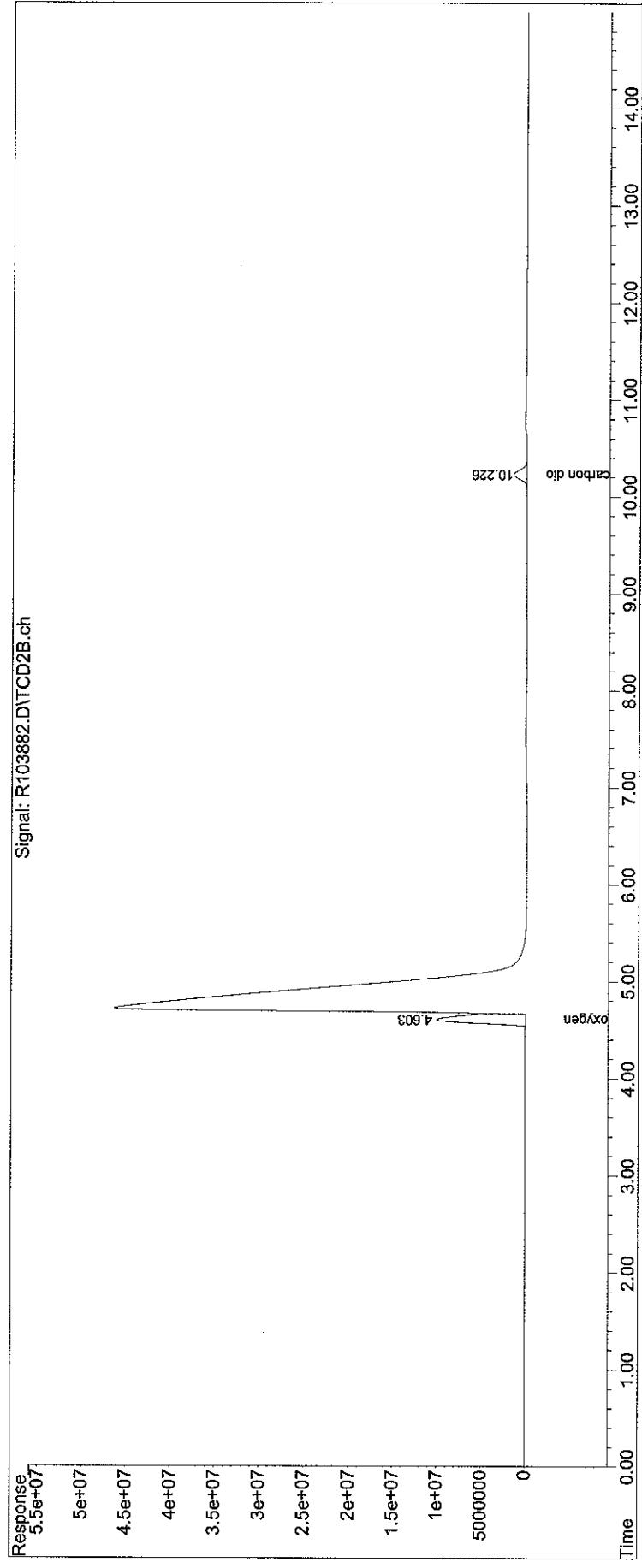


## Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\101008FG\  
 Data File : R103882.D  
 Signal(s) : TCD2B.ch  
 Acq On : 8 Oct 2010 3:58 pm  
 Operator : airlab10:RY  
 Sample : L1015359-03D,4,0.4960,1  
 Misc : WG436057,ICAL5222  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Oct 08 16:15:19 2010  
 Quant Method : O:\Forensics\Data\airlab10\101007FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Tue Aug 03 13:42:03 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj :  
 Signal Phase :  
 Signal Info :

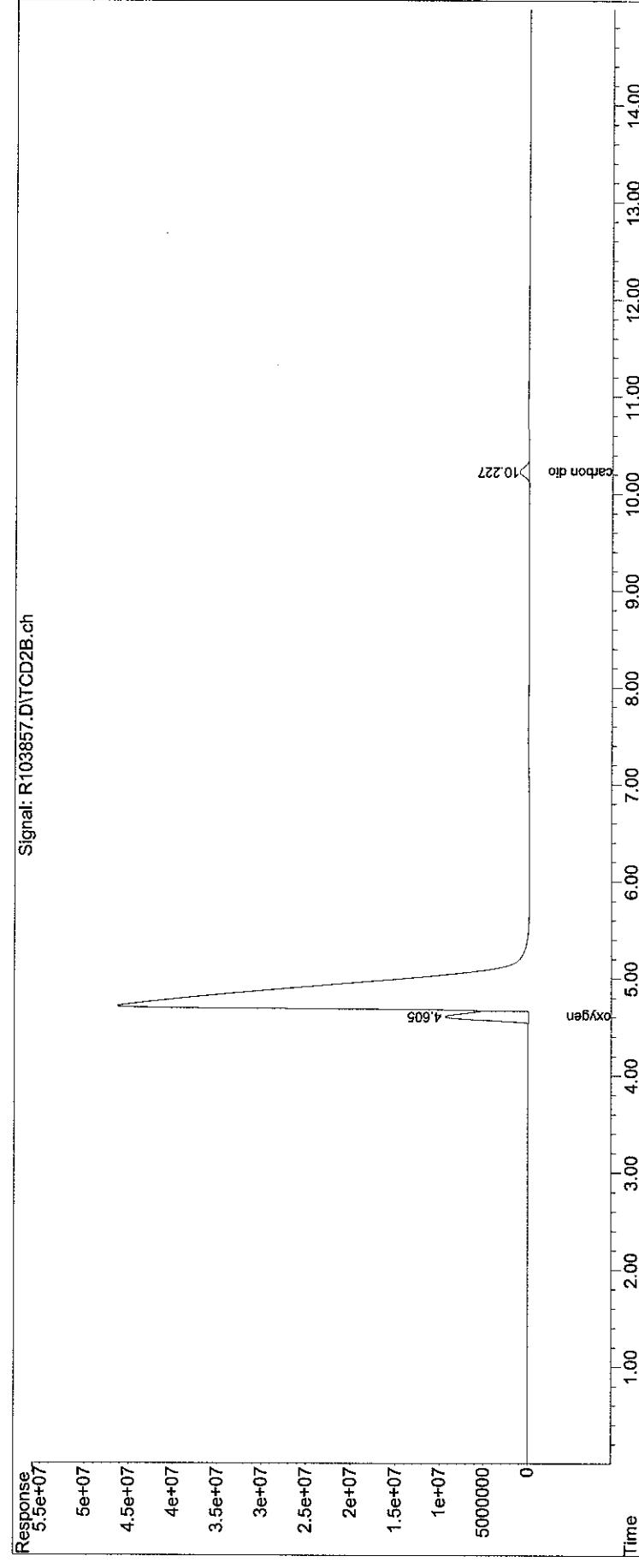


# Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\101007FG\  
Data File : R103857.D  
Signal(s) : TCD2B.ch  
Acq On : 7 Oct 2010 9:18 pm  
Operator : airlab10:RY  
Sample : L1015359-04D,4,0.4591,1  
Misc : WG436057,ICAL5222  
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e  
Quant Time: Oct 08 13:32:28 2010  
Quant Method : O:\Forensics\Data\airlab10\101007FG\FG100730.M  
Quant Title : Fixed Gas Analysis via Method 3C  
QLast Update : Tue Aug 03 13:42:03 2010  
Response via: Initial Calibration  
Integrator: ChemStation

Volume Inj. :  
Signal Phase :  
Signal Info :

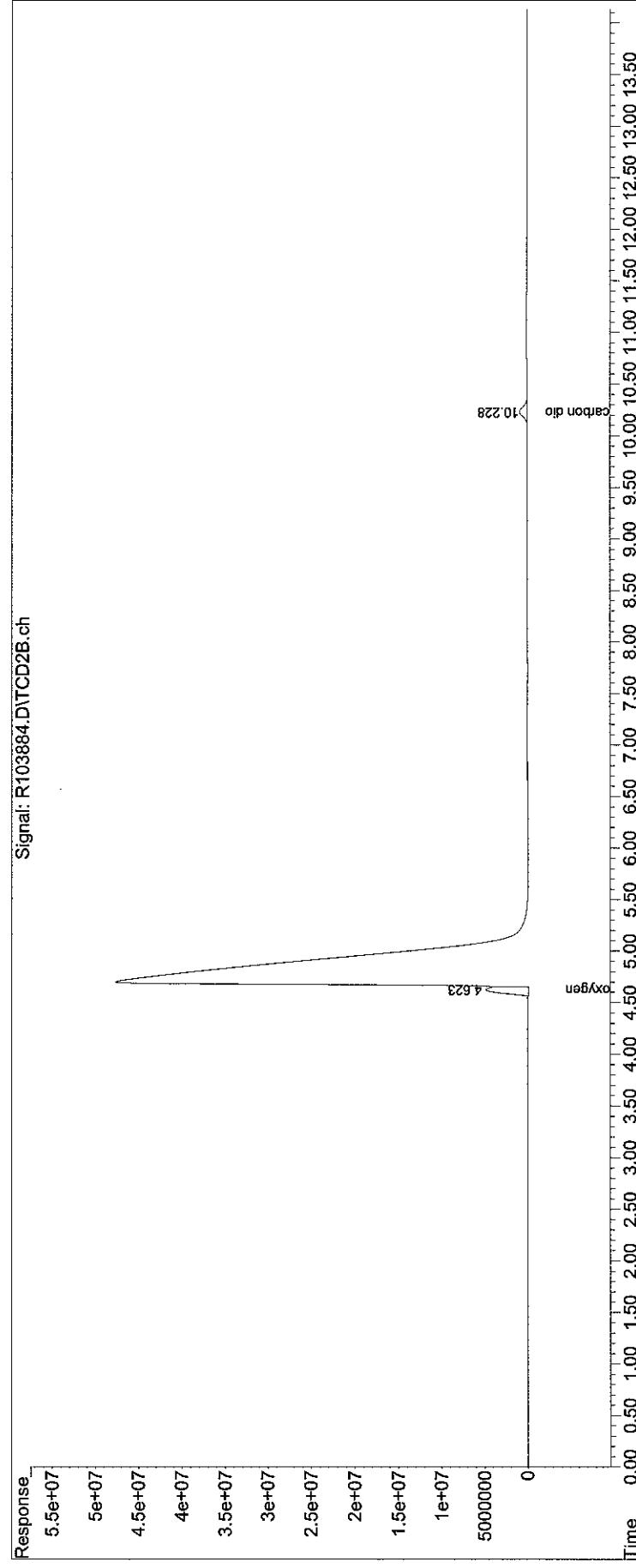


## Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\101008FG\  
 Data File : R103884.D  
 Signal(s) : TCD2B.ch  
 Acq On : 8 Oct 2010 4:40 pm  
 Operator : airlab10:RY  
 Sample : L1015359-05D,4,0.2176,1  
 Misc : WG436057,ICAL5222  
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Oct 08 17:15:53 2010  
 Quant Method : O:\Forensics\Data\airlab10\101007FG\EG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Tue Aug 03 13:42:03 2010  
 Response via : Initial Calibration  
 Integrator: Chemstation

Volume Inj. :  
 Signal Phase :  
 Signal Info :  
 Integrator: Chemstation

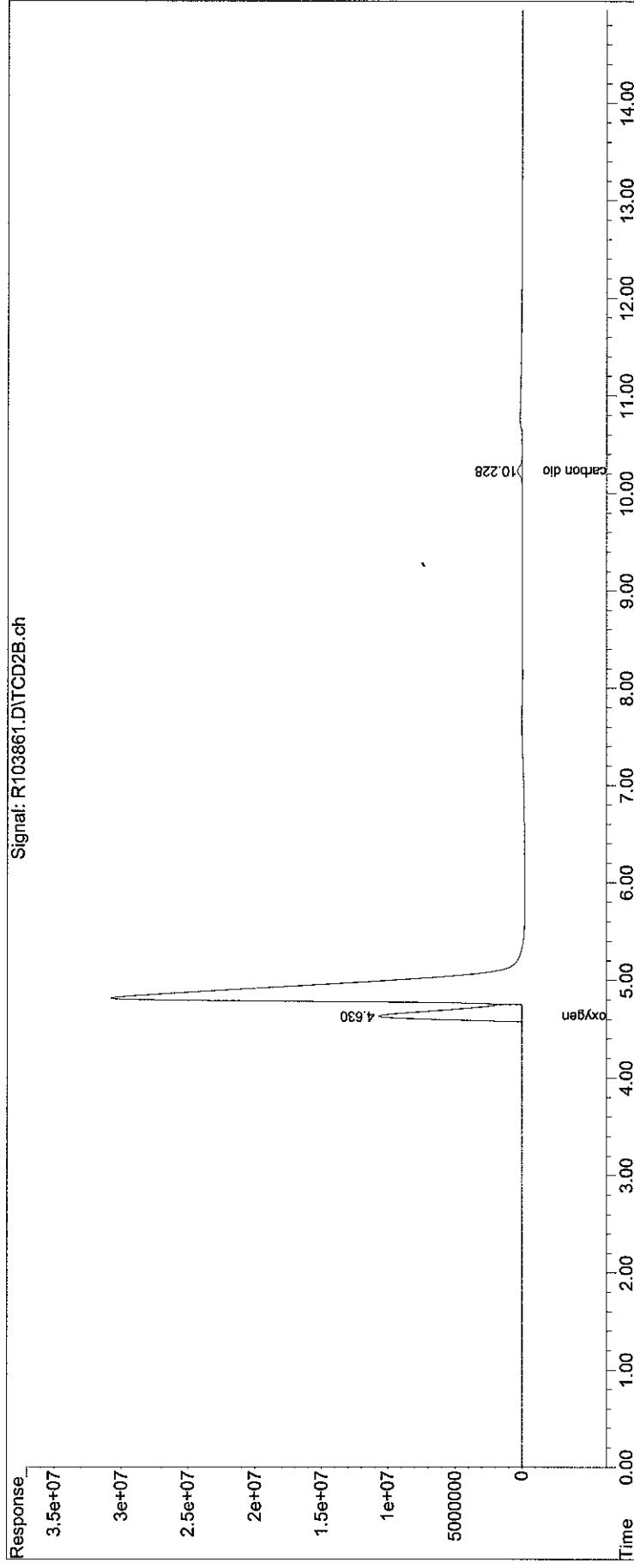


## Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\101007FG\  
 Data File : R103861.D  
 Signal(s) : TCD2B.ch  
 Acq On : 7 Oct 2010 10:43 pm  
 Operator : airlab10:RY  
 Sample : L1015359-06D,4,0.5470,1  
 Misc : WG436057,ICAL5222  
 ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Oct 08 13:34:06 2010  
 Quant Method : O:\Forensics\Data\airlab10\101007FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Tue Aug 03 13:42:03 2010  
 Response via : Initial Calibration  
 Integrator: Chemstation

Volume Inj. :  
 Signal Phase :  
 Signal Info :

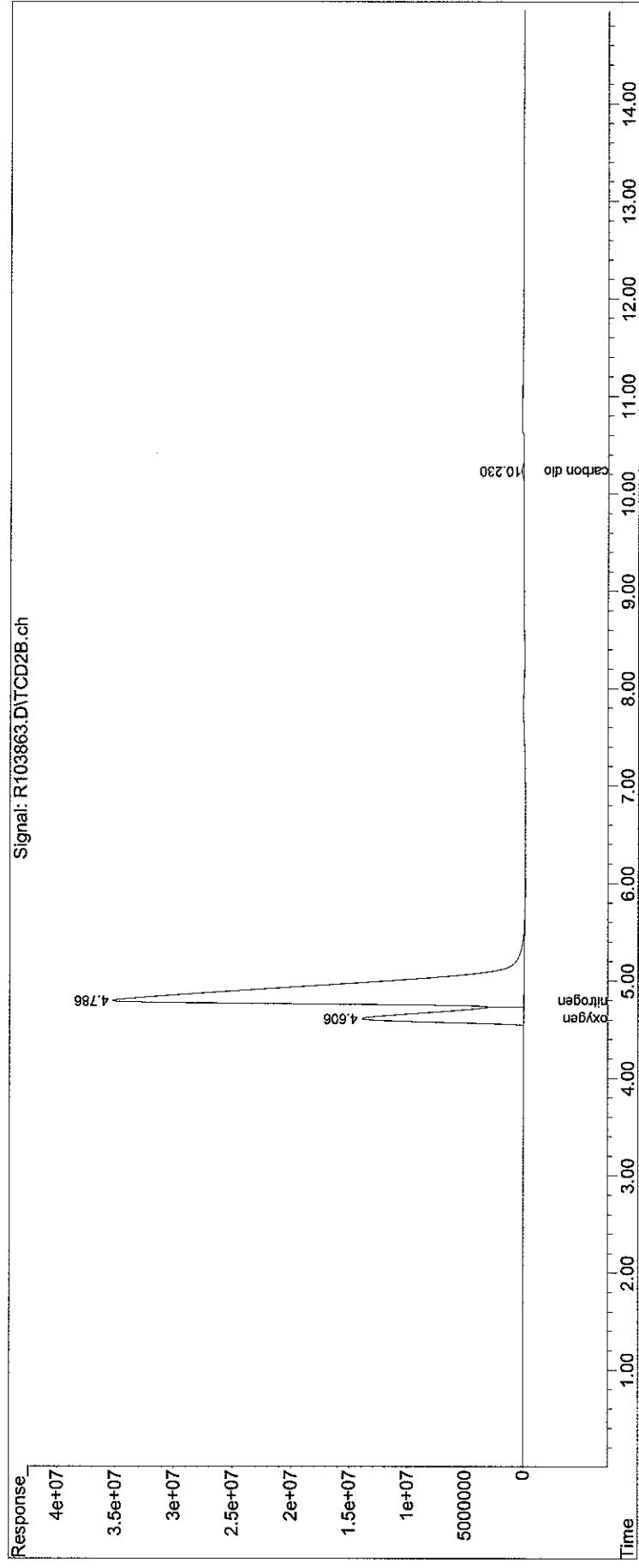


## Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\101007FG\  
 Data File : R103863.D  
 Signal(s) : TCD2B.ch  
 Acq On : 7 Oct 2010 11:26 pm  
 Operator : airlab10:RY  
 Sample : L1015359-07D,4,0.6879,1  
 Misc : WG436057,ICAL5222  
 ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Oct 08 13:35:03 2010  
 Quant Method : O:\Forensics\Data\airlab10\101007FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Tue Aug 03 13:42:03 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj :  
 Signal Phase :  
 Signal Info :

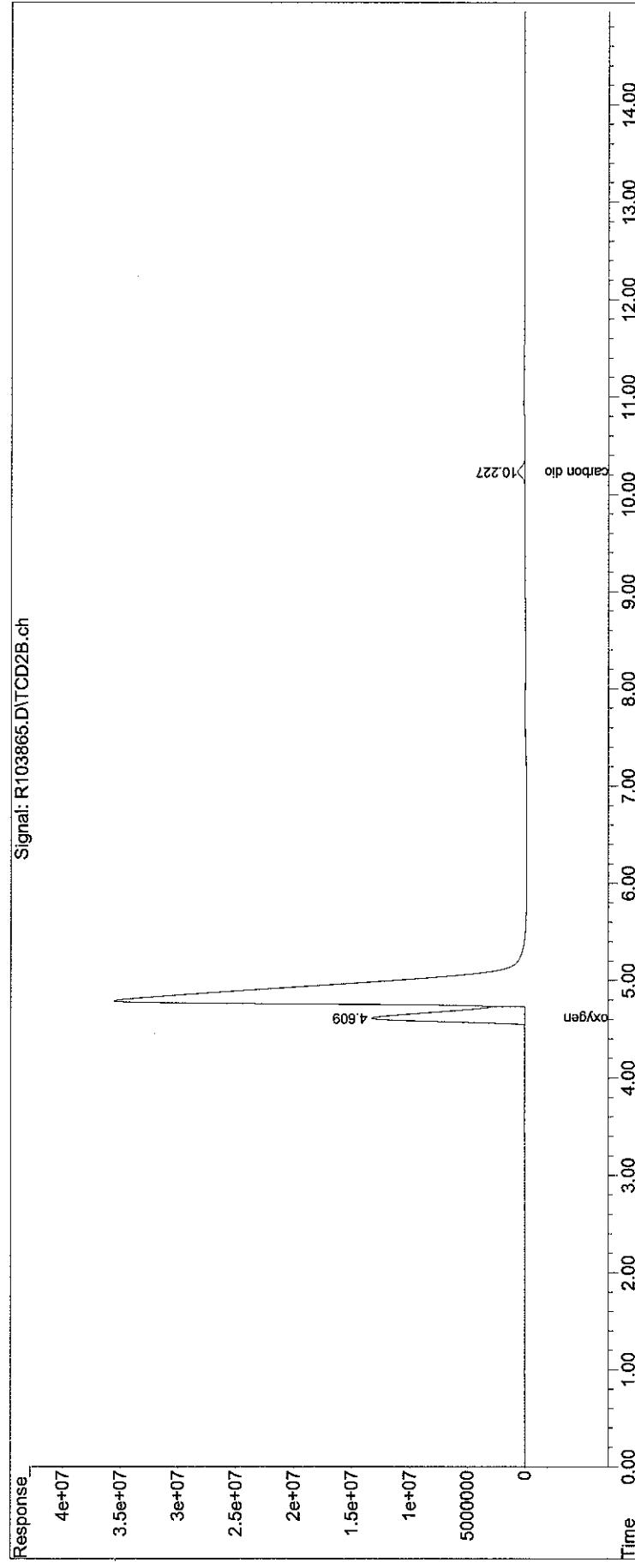


## Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\101007FG\  
 Data File : R103865.D  
 Signal(s) : TCD2B.ch  
 Acq On : 8 Oct 2010 12:08 am  
 Operator : airlab10:RY  
 Sample : L1015359-08D',4,0.6861,1  
 Misc : WG436057,ICAL5222  
 ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Oct 08 13:36:03 2010  
 Quant Method : O:\Forensics\Data\airlab10\101007FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Tue Aug 03 13:42:03 2010  
 Response via : Initial Calibration  
 Integrator: Chemstation

Volume Inj :  
 Signal Phase :  
 Signal Info :

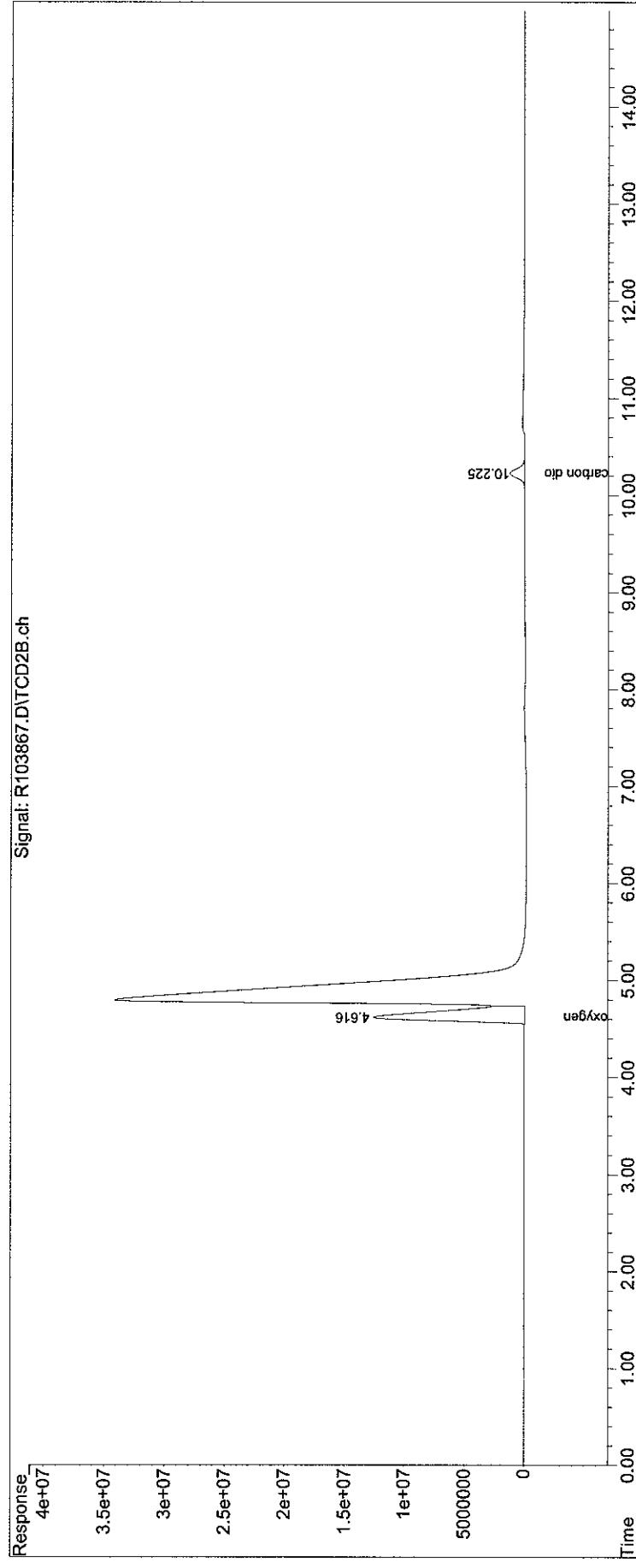


## Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\101007FG\  
 Data File : R103867.D  
 Signal(s) : TCD2B.ch  
 Acq On : 8 Oct 2010 12:51 am  
 Operator : airlab10:RY  
 Sample : L1015359-09D,4,0.6555,1  
 Misc : WG436057,ICAL5222  
 ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Oct 08 13:36:57 2010  
 Quant Method : O:\Forensics\Data\airlab10\101007FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Tue Aug 03 13:42:03 2010  
 Response via : Initial Calibration  
 Integrator: Chemstation

Volume Inj. :  
 Signal Phase :  
 Signal Info :

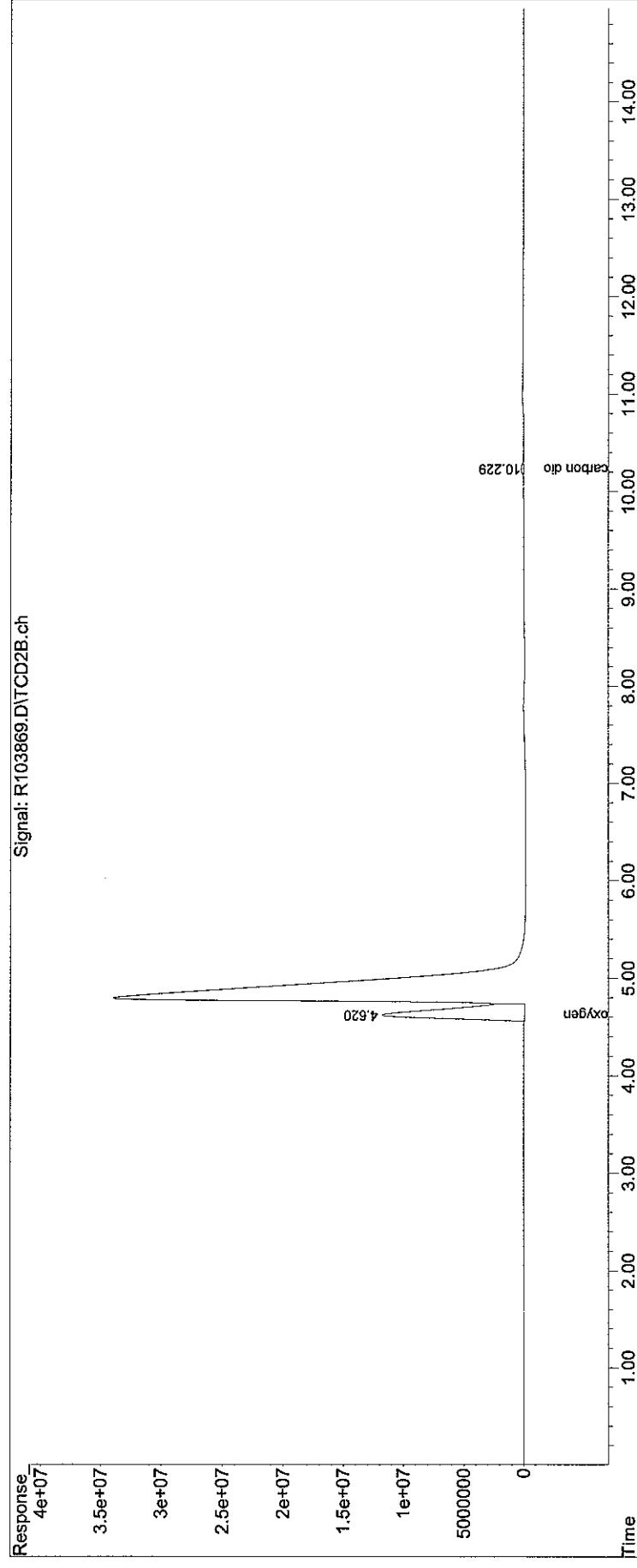


## Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\101007FG\  
 Data File : R103869.D  
 Signal(s) : TCD2B.ch  
 Acq On : 8 Oct 2010 1:33 am  
 Operator : airlab10:RY  
 Sample : L1015359-10D,4,0.6262,1  
 Misc : WG436057,ICAL5222  
 ALS Vial : 22 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Oct 08 13:37:49 2010  
 Quant Method : O:\Forensics\Data\airlab10\101007FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Tue Aug 03 13:42:03 2010  
 Response via : Initial Calibration  
 Integrator: Chemstation

Volume Inj. :  
 Signal Phase :  
 Signal Info :  
 Integrator: Chemstation

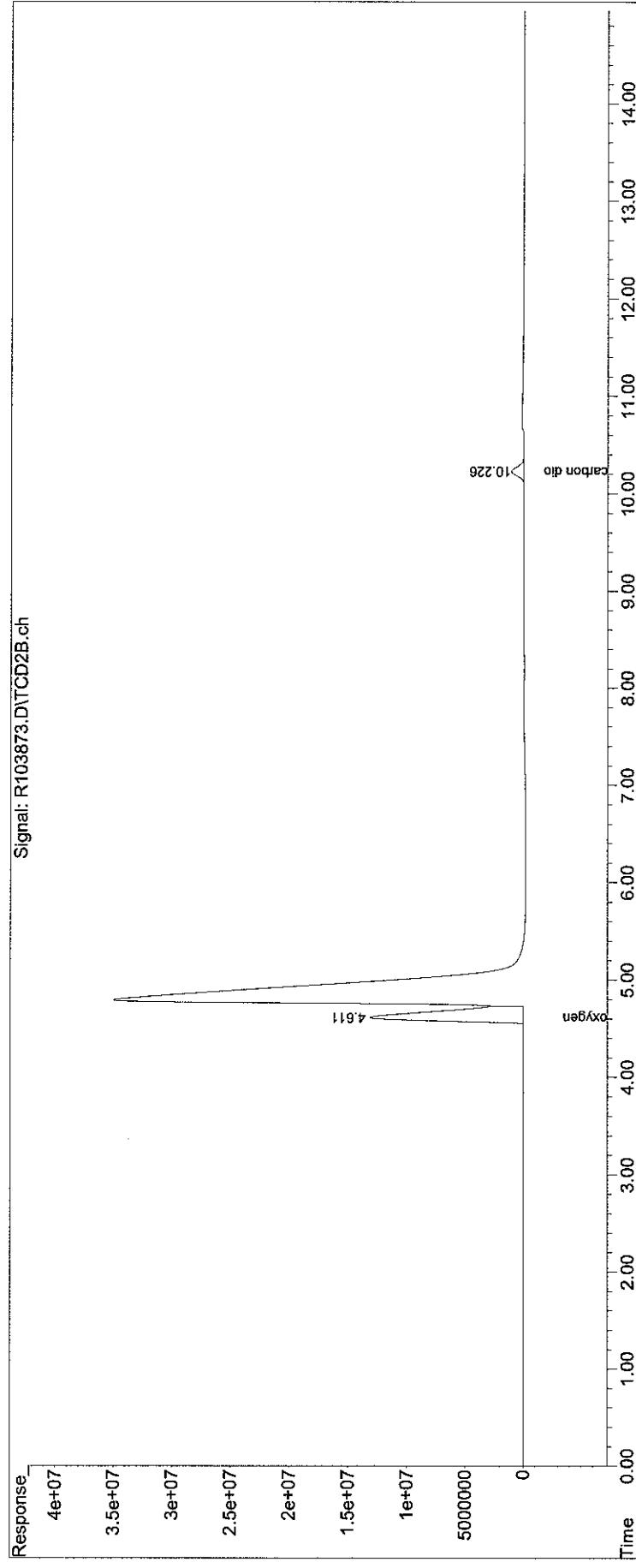


## Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\101007FG\  
 Data File : R103873.D  
 Signal(s) : TCD2B.ch  
 Acq On : 8 Oct 2010 2:59 am  
 Operator : airlab10:RY  
 Sample : L1015359-11D,4,0.6846,1  
 Misc : WG436057,ICAL5222  
 ALS Vial : 29 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Oct 08 13:40:36 2010  
 Quant Method : O:\Forensics\Data\airlab10\101007FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Tue Aug 03 13:42:03 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj :  
 Signal Phase :  
 Signal Info :

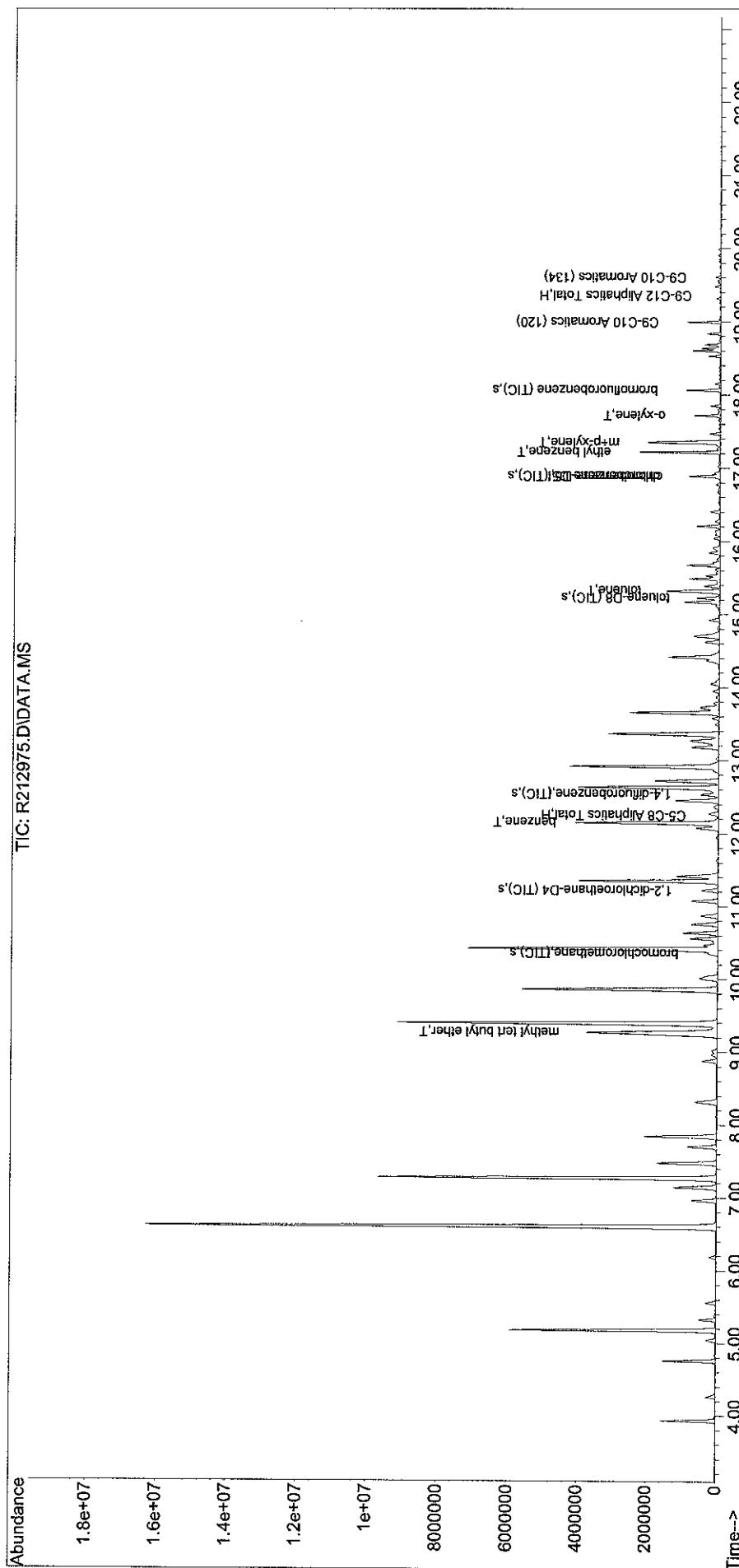


**APH**

## Sub List : APH\_STD\_M - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR2\2010\101005A\  
 Data File : R212975.D  
 Acq On : 6 Oct 2010 7:03 am  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-01d,3,0.8680,250  
 Misc : wg435821,ical15208  
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 06 09:41:49 2010  
 Quant Method : O:\Forensics\Data\AIR2\2010\101005A\APH100729.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Jul 29 12:11:57 2010  
 Response via : Initial Calibration



Sub List : APH\_STD\_M - .Report (QT Reviewed)

Data Path : O:\Forensics\DATA\AIR2\2010\101006A\  
 Data File : R213012.D  
 Acq On : 7 Oct 2010 8:26 am  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-02d,3,17.1250,250  
 Misc : wg435821,ical15208  
 ALS Vial : 4 Sample Multiplier: 1

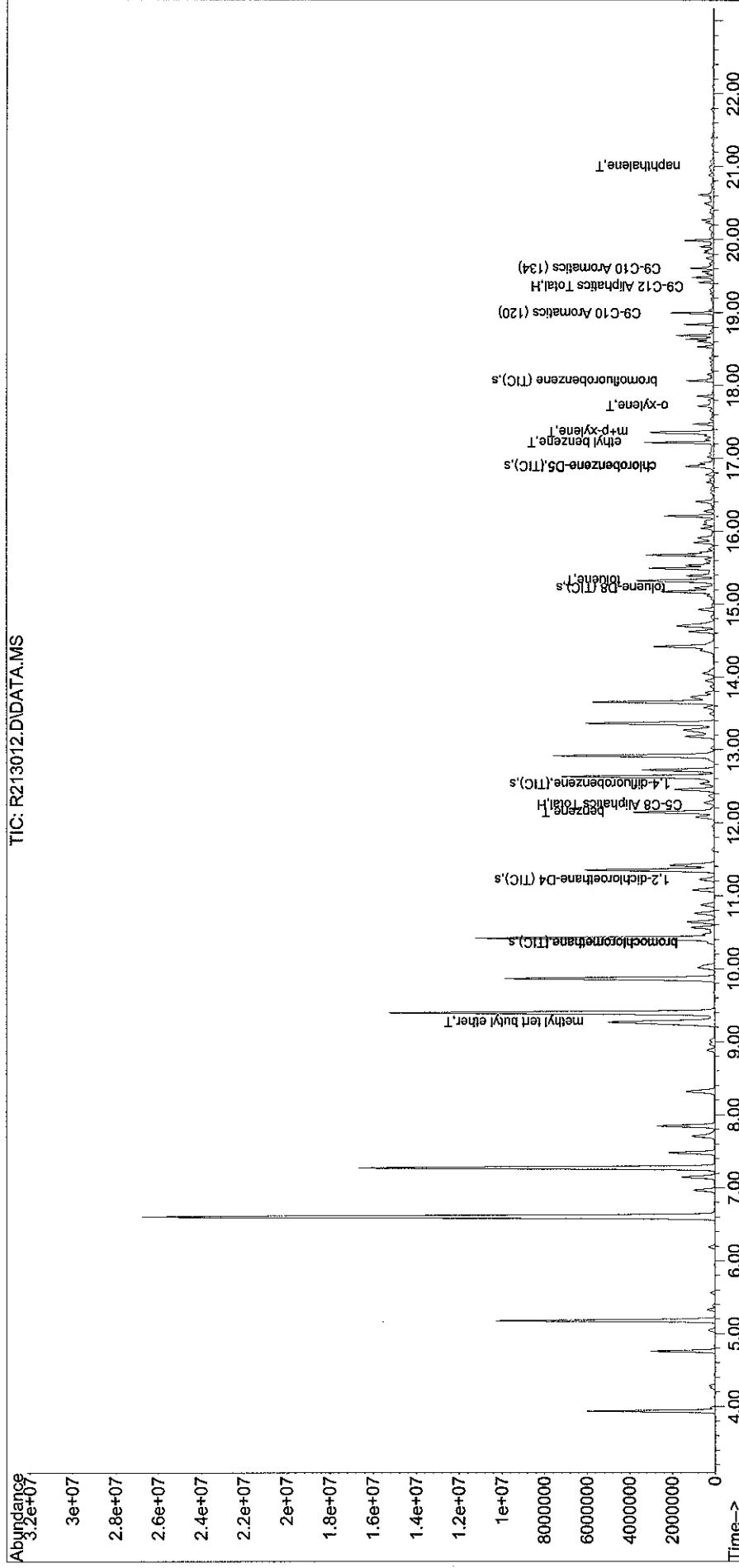
Quant Time: Oct 07 09:30:57 2010  
 Quant Method : O:\Forensics\DATA\AIR2\2010\101006A\APH100729.M

Quant Title : APH Analysis

QLast Update : Thu Jul 29 12:11:57 2010

Response via : Initial Calibration

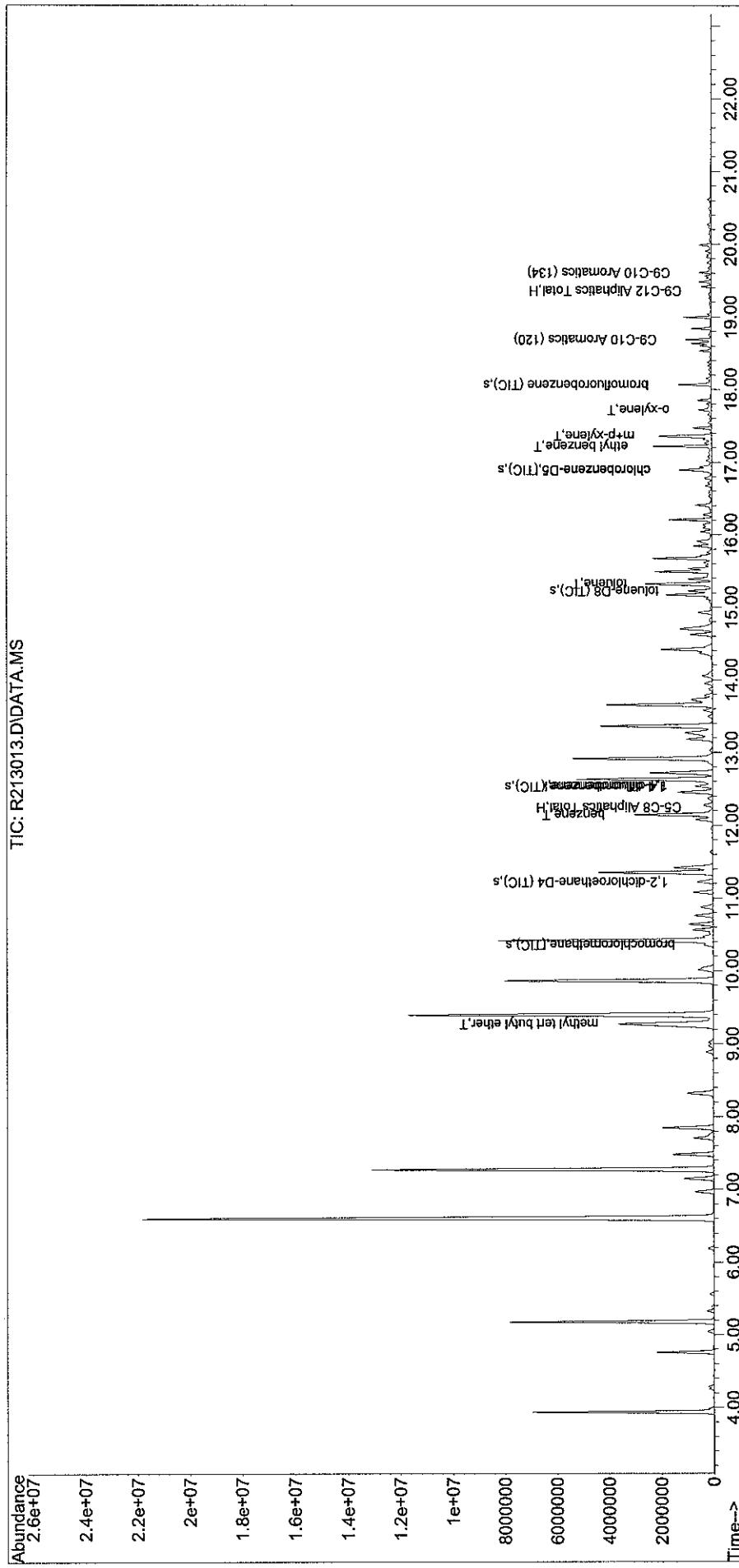
TIC: R213012.D\DATA.MS



Sub List : APH\_STD\_M - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR2\2010\101006A\  
 Data File : R213013.D  
 Acq On : 7 Oct 2010 9:04 am  
 Operator : AIRPANO2:aj  
 Sample : 11015359-03d,3,17.7500,250  
 Misc : wg435821,ical15208  
 ALS Vial : 5 Sample Multiplier: 1

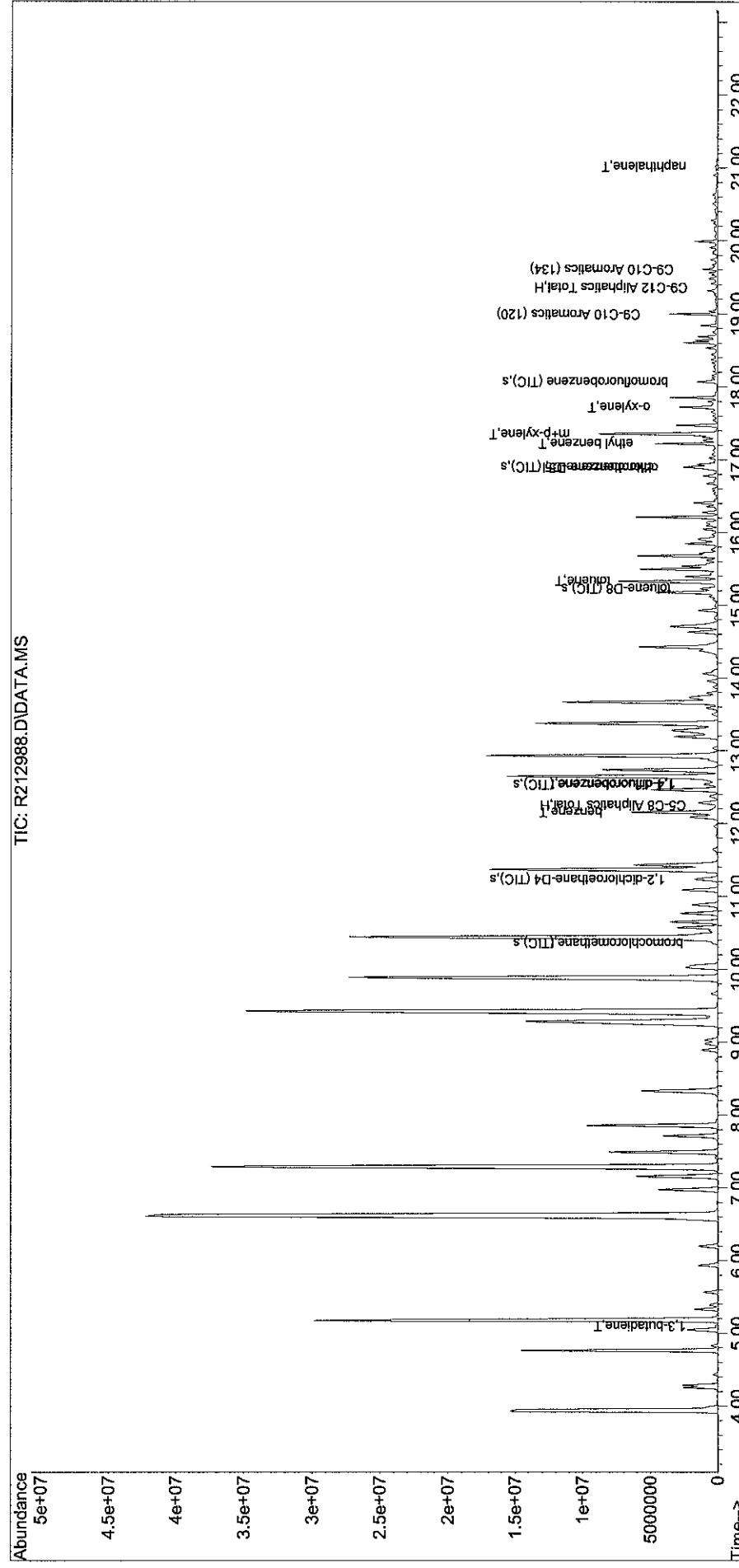
Quant Time: Oct 07 09:33:17 2010  
 Quant Method : O:\Forensics\Data\AIR2\2010\101006A\APH100729.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Jul 29 12:11:57 2010  
 Response via : Initial Calibration



Sub List : APH\_STD\_M - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR2\2010\101006A\  
 Data File : R212988.D  
 Acq On : 6 Oct 2010 3:30 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-04,3,250,250  
 Misc : wg435821,ical15208  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 07 08:59:23 2010  
 Quant Method : O:\Forensics\Data\AIR2\2010\101006A\APH100729.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Jul 29 12:11:57 2010  
 Response via : Initial Calibration



Sub List : APH\_STD\_M - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR2\2010\101006A\  
 Data File : R212989.D  
 Acq On : 6 Oct 2010 4:08 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-05d,3,76.2500,250  
 Misc : wg435821,ical15208  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 07 09:03:19 2010

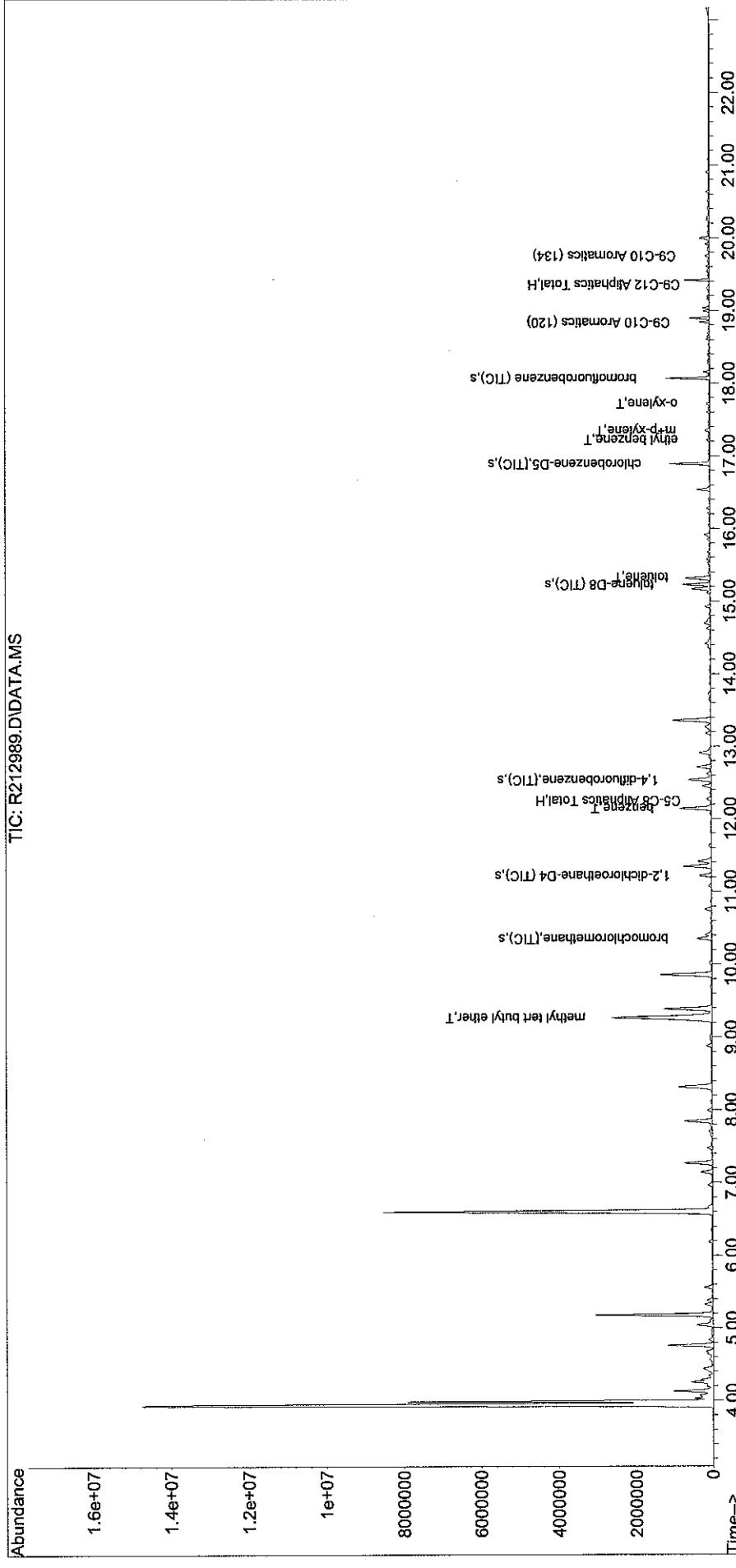
Quant Method : O:\Forensics\Data\AIR2\2010\101006A\APH100729.M

Quant Title : APH Analysis

QLast Update : Thu Jul 29 12:11:57 2010

Response via : Initial Calibration

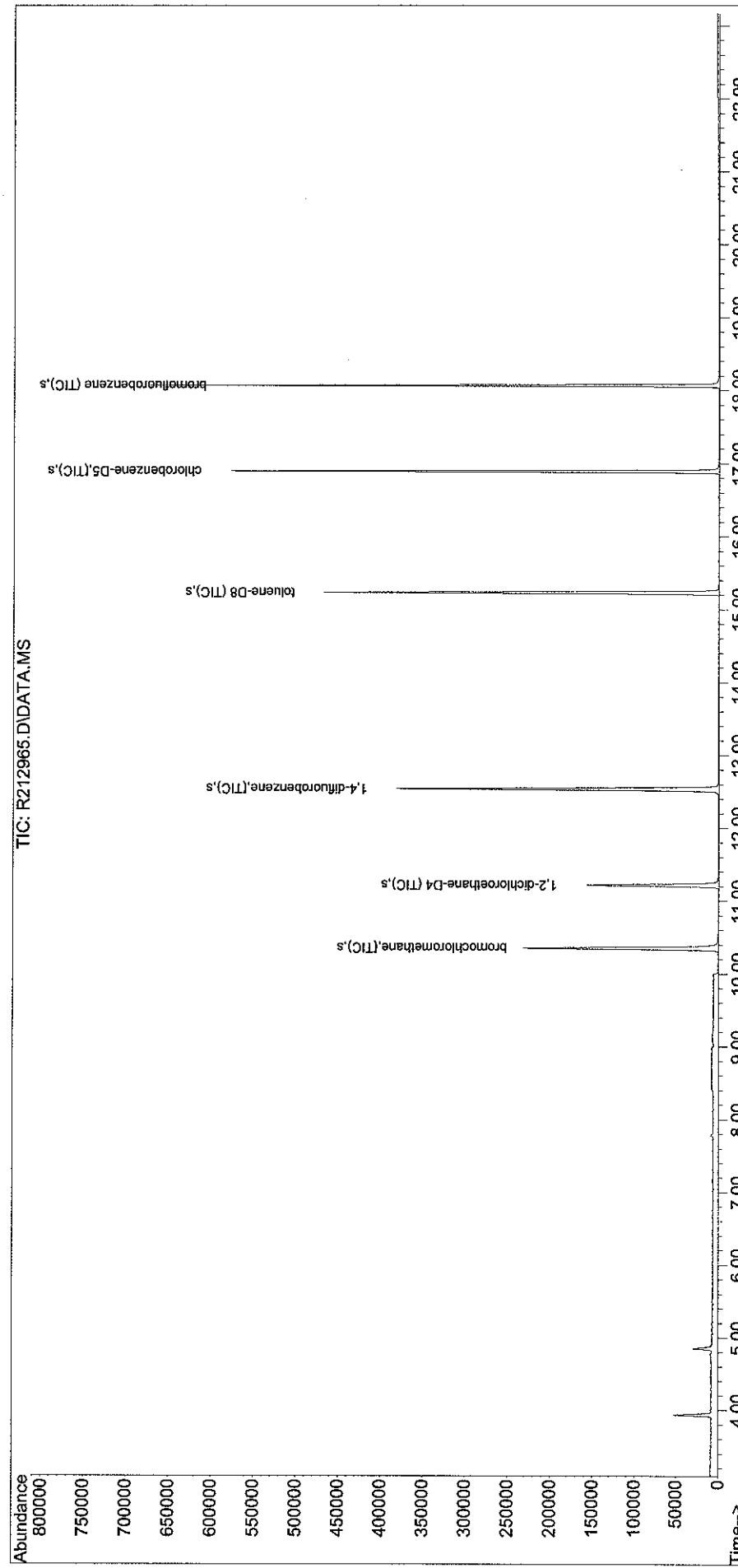
TIC: R212989.D\DATA.MS



Sub List : APH\_STD\_M - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR2\2010\101005A\  
 Data File : R212965.D  
 Acq On : 5 Oct 2010 4:50 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-06,3,250,250  
 Misc : wg435821,ical5208  
 ALS Vial : 7 sample Multiplier: 1

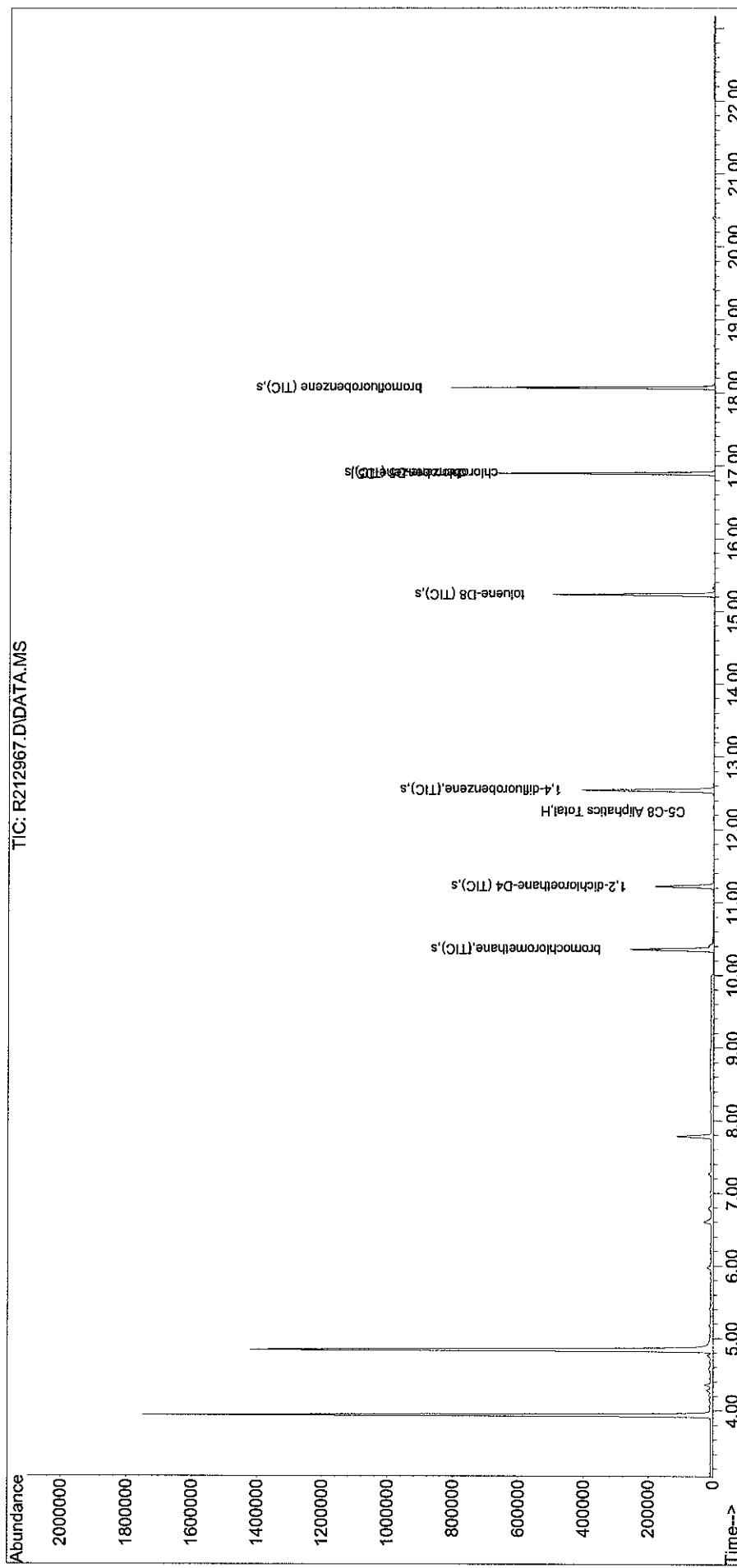
Quant Time: Oct 06 13:32:36 2010  
 Quant Method : O:\Forensics\Data\AIR2\2010\101005A\APH100729.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Jul 29 12:11:57 2010  
 Response via : Initial Calibration



Sub List : APH\_STD\_M - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR2\2010\101005A\  
 Data File : R212967.D  
 Acq On : 5 Oct 2010 6:08 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-07,3,250,250  
 MISC : wg435821,ical5208  
 ALS Vial : 8 sample Multiplier: 1

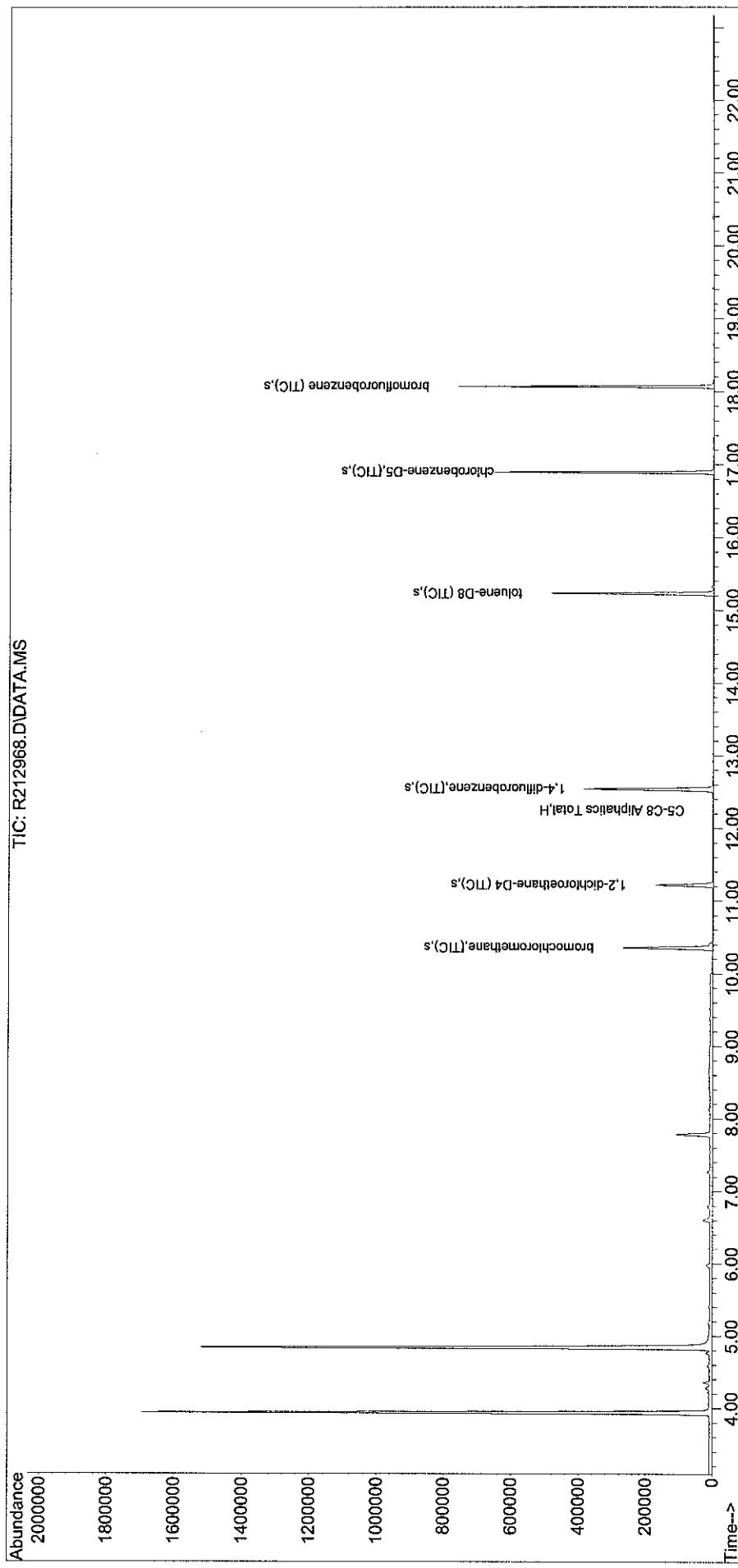
Quant Time: Oct 06 13:38:11 2010  
 Quant Method : O:\Forensics\Data\AIR2\2010\101005A\APH100729.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Jul 29 12:11:57 2010  
 Response via : Initial Calibration



Sub List : APH\_STD\_M - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR2\2010\101005A\  
 Data File : R212968.D  
 Acq On : 5 Oct 2010 6:47 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-08,3,250,250  
 Misc : wg435821,ical5208  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 13:39:05 2010  
 Quant Method : O:\Forensics\Data\AIR2\2010\101005A\APH100729.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Jul 29 12:11:57 2010  
 Response via : Initial Calibration

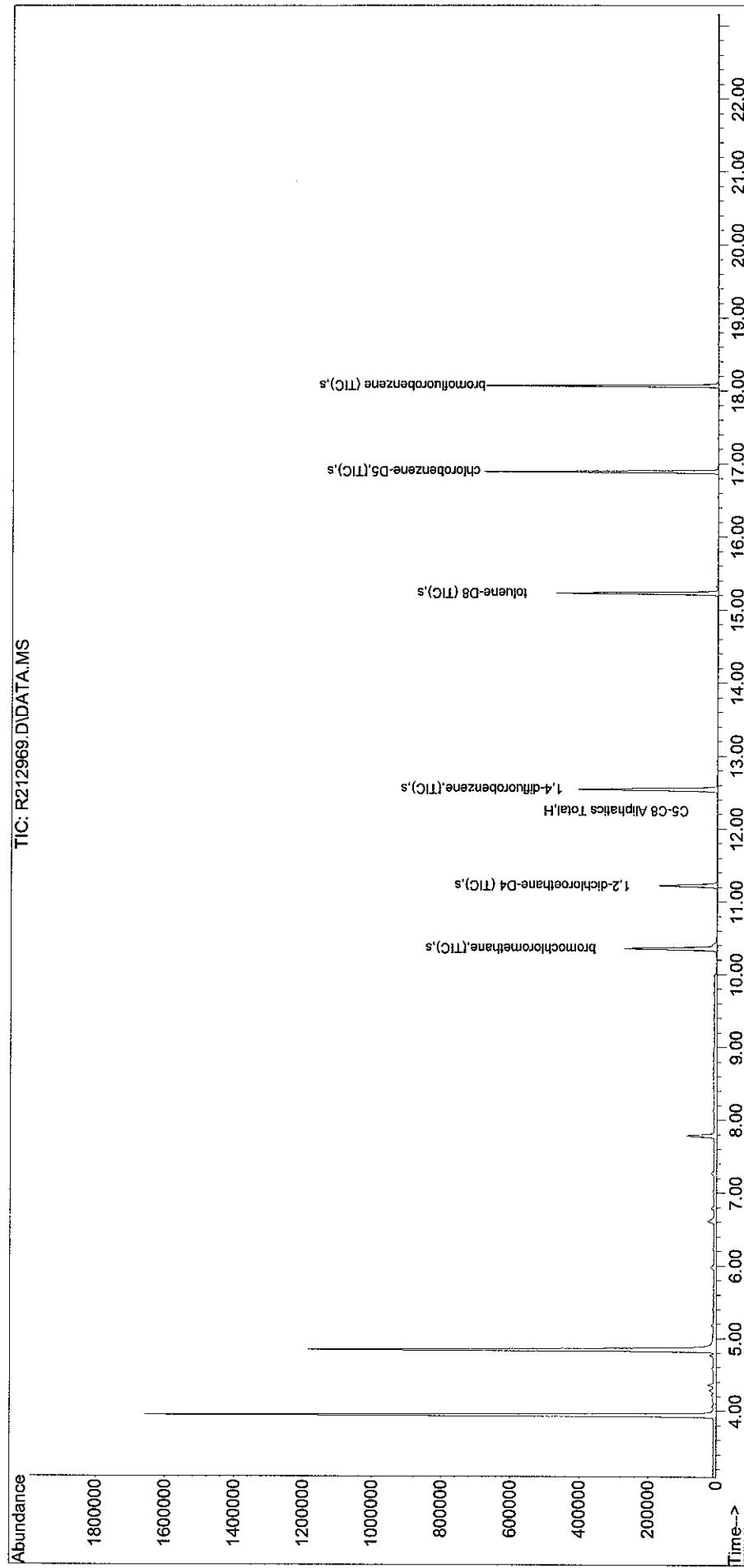


Sub List : APH\_STD\_M - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR2\2010\101005A\  
 Data File : R212969.D  
 Acq On : 5 Oct 2010 7:27 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-09,3,250,250  
 Misc : wg435821,ical5208  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 13:40:07 2010  
 Quant Method : O:\Forensics\Data\AIR2\2010\101005A\APH100729.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Jul 29 12:11:57 2010  
 Response via : Initial Calibration

TIC: R212969.D\DATA.MS

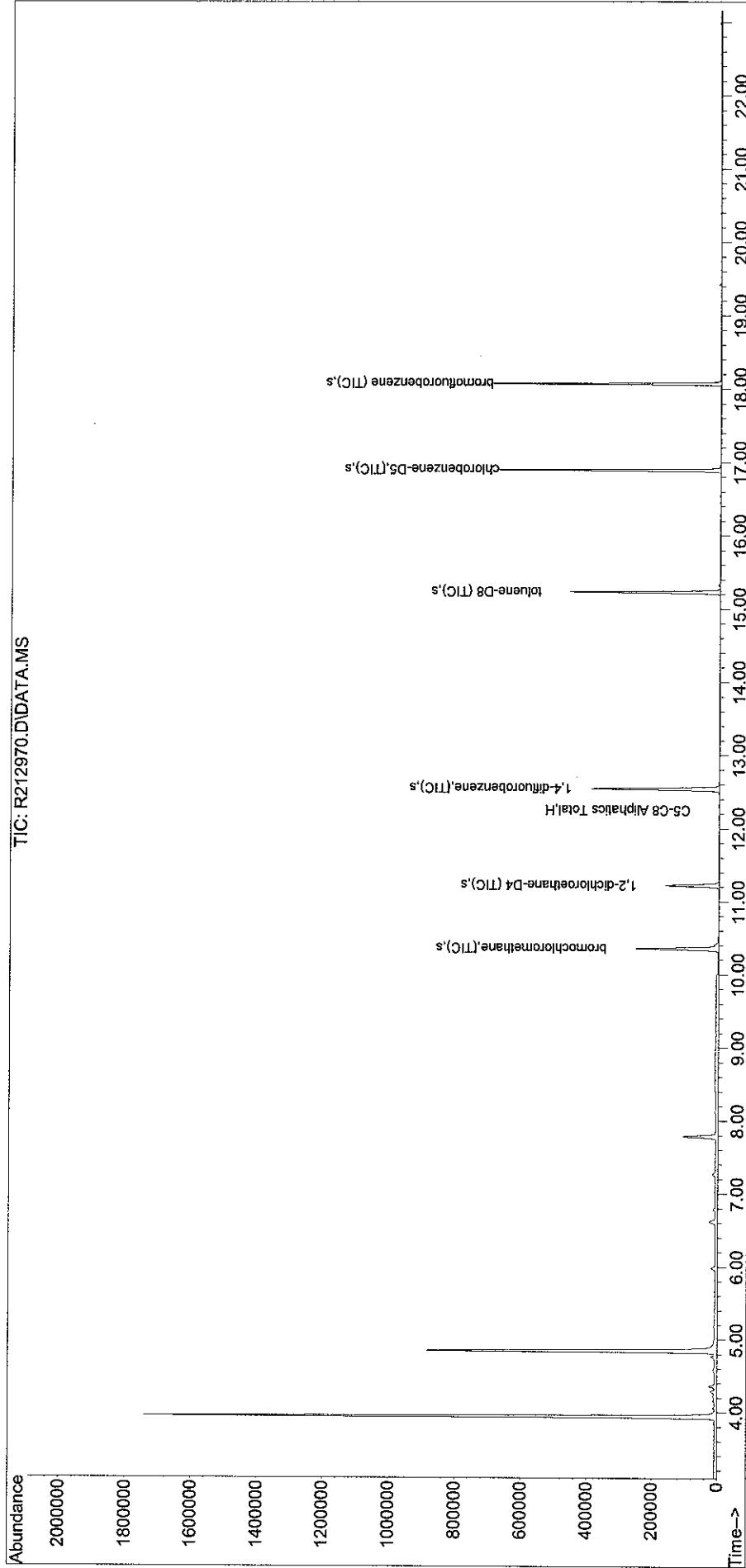


Sub List : APH\_STD\_M - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR2\2010\101005A\  
 Data File : R212970.D  
 Acq On : 5 Oct 2010 8:04 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-10,3,250,250  
 Misc : wg435821,ical5208  
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 06 13:40:56 2010  
 Quant Method : O:\Forensics\Data\AIR2\2010\101005A\APH100729.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Jul 29 12:11:57 2010  
 Response via : Initial Calibration

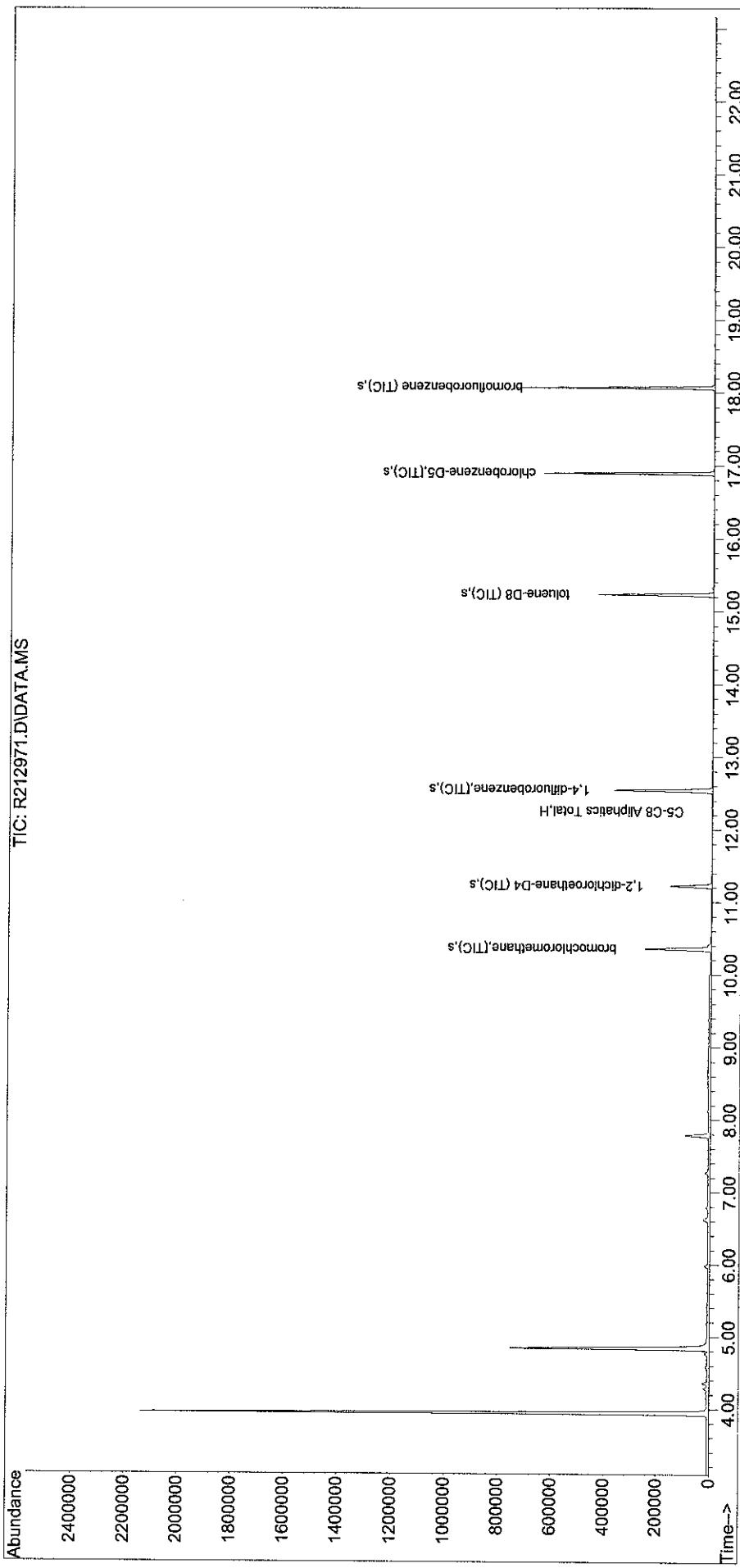
TIC: R212970.D\DATA.MS



Sub List : APH\_STD\_M - .Report (QT Reviewed)

Data Path : O:\Forensics\DATA\AIR2\2010\101005A\  
 Data File : R212971.D  
 Acq On : 5 Oct 2010 8:43 pm  
 Operator : AIRPIANO2:aj  
 Sample : 11015359-11,3,250,250  
 Misc : wg435821,ical15208  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 06 13:41:52 2010  
 Quant Method : O:\Forensics\DATA\AIR2\2010\101005A\APH100729.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Jul 29 12:11:57 2010  
 Response via : Initial Calibration







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800-929-9906  
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Mr. Herb Kodis  
Maine Environmental Laboratory, Inc.  
PO Box 1107  
Yarmouth, ME 04096-1107

**Report Number: 68727**

**Revision: Rev. 0**

**Re: DEP 2536-10**

Enclosed are the results of the analyses on your sample(s). Samples were received on 22 December 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

**Sample Analysis:** The attached pages detail the Client Sample IDs, Lab Sample IDs, and Analyses requested

**Sample Receipt Exceptions:** None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Department of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature

Stephen L. Knollmeyer Lab. Director

Date

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consent of Analytics Environmental Laboratory, LLC.**



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laboratory LLC

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[www.analyticslab.com](http://www.analyticslab.com)

**CLIENT: Maine Environmental Laboratory, REPORT NUMBER: 68727  
Inc.**

**REV: Rev. 0**

**PROJECT: DEP 2536-10**

| <u>Lab Number</u> | <u>Sample Date</u> | <u>Station Location</u> | <u>Analysis</u>                 | <u>Comments</u> |
|-------------------|--------------------|-------------------------|---------------------------------|-----------------|
| 68727-1           | 12/21/10           | MW-101                  | EPA 8260B (Halocarbons only)    |                 |
|                   | 12/21/10           | MW-101                  | Volatile Petroleum Hydrocarbons |                 |
| 68727-2           | 12/21/10           | MW-102                  | EPA 8260B (Halocarbons only)    |                 |
|                   | 12/21/10           | MW-102                  | Volatile Petroleum Hydrocarbons |                 |
| 68727-3           | 12/21/10           | MW-103                  | EPA 8260B (Halocarbons only)    |                 |
|                   | 12/21/10           | MW-103                  | Volatile Petroleum Hydrocarbons |                 |
| 68727-4           | 12/21/10           | MW-104                  | EPA 8260B (Halocarbons only)    |                 |
|                   | 12/21/10           | MW-104                  | Volatile Petroleum Hydrocarbons |                 |
| 68727-5           | 12/21/10           | MW-106                  | EPA 8260B (Halocarbons only)    |                 |
|                   | 12/21/10           | MW-106                  | Volatile Petroleum Hydrocarbons |                 |
| 68727-6           | 12/21/10           | MW-3A                   | EPA 8260B (Halocarbons only)    |                 |
|                   | 12/21/10           | MW-3A                   | Volatile Petroleum Hydrocarbons |                 |
| 68727-7           | 12/21/10           | Trip Blank              | Electronic Data Deliverable     |                 |
|                   | 12/21/10           | Trip Blank              | EPA 8260 Volatile Organics      |                 |
|                   | 12/21/10           | Trip Blank              | Volatile Petroleum Hydrocarbons |                 |

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 PO Box 1107  
 Yarmouth, ME 04096-1107

January 4, 2011  
**SAMPLE DATA**

**CLIENT SAMPLE ID**

**Project Name:** DEP 2536-10

**Project Number:**

**Field Sample ID:** MW-101

**Lab Sample ID:** 68727-1  
**Matrix:** Aqueous  
**Percent Solid:** N/A  
**Dilution Factor:** 5  
**Collection Date:** 12/21/10  
**Lab Receipt Date:** 12/22/10  
**Analysis Date:** 01/03/11

**ANALYTICAL RESULTS VOLATILE ORGANICS**

| COMPOUND                 | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ | COMPOUND                  | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ |
|--------------------------|------------------------------------|------------------------|---------------------------|------------------------------------|------------------------|
| Vinyl chloride           | 5                                  | U                      | 1,2-Dichloroethane        | 5                                  | U                      |
| 1,1-Dichloroethene       | 5                                  | U                      | 1,1,1-Trichloroethane     | 5                                  | U                      |
| cis-1,2-Dichloroethene   | 5                                  | U                      | 1,1,2-Trichloroethane     | 5                                  | U                      |
| trans-1,2-Dichloroethene | 5                                  | U                      | 1,1,2,2-Tetrachloroethane | 5                                  | U                      |
| Trichloroethene          | 5                                  | 3.8 J                  | Chlorobenzene             | 5                                  | U                      |
| Tetrachloroethene        | 5                                  | 37                     | Bromoform                 | 5                                  | U                      |
| Chloromethane            | 5                                  | U                      | Dichlorodifluoromethane   | 5                                  | U                      |
| Methylene chloride       | 25                                 | U                      | Trichlorofluoromethane    | 5                                  | U                      |
| Chloroform               | 5                                  | U                      | 1,3-Dichlorobenzene       | 5                                  | U                      |
| Carbon tetrachloride     | 5                                  | U                      | 1,2-Dichlorobenzene       | 5                                  | U                      |
| Bromodichloromethane     | 5                                  | U                      | 1,4-Dichlorobenzene       | 5                                  | U                      |
| Dibromochloromethane     | 5                                  | U                      | 1,2-Dichloropropane       | 5                                  | U                      |
| Bromomethane             | 10                                 | U                      | cis-1,3-Dichloropropene   | 5                                  | U                      |
| Chloroethane             | 5                                  | U                      | trans-1,3-Dichloropropene | 5                                  | U                      |
| 1,1-Dichloroethane       | 5                                  | U                      | Dibromomethane            | 5                                  | U                      |

**Surrogate Standard Recovery**

|                       |      |            |       |                    |      |
|-----------------------|------|------------|-------|--------------------|------|
| d4-1,2-Dichloroethane | 95 % | d8-Toluene | 102 % | Bromofluorobenzene | 89 % |
|-----------------------|------|------------|-------|--------------------|------|

U=Undetected

J=Estimated

E=Exceeds Calibration Range

B=Detected in Blank

**METHODOLOGY:** Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

**COMMENTS:**

Mr. Herb Kodis  
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 PO Box 1107  
 Yarmouth, ME 04096-1107

January 4, 2011

#### SAMPLE DATA

#### CLIENT SAMPLE ID

Project Name: DEP 2536-10

Project Number:

Client Sample ID: MW-101

|                   |          |
|-------------------|----------|
| Lab Sample ID:    | 68727-1  |
| Matrix:           | Aqueous  |
| Percent Solid:    | N/A      |
| Dilution Factor:  | 50       |
| Collection Date:  | 12/21/10 |
| Lab Receipt Date: | 12/22/10 |
| Analysis Date:    | 01/03/11 |

#### VPH ANALYTICAL RESULTS

| RANGE/TARGET ANALYTE                          | Elution Range | RL   | Units | Result  |
|---|---------------|------|-------|---------|
| Unadjusted C5-C8 Aliphatics                   | N/A           | 2500 | µg/L  | 17600   |
| Unadjusted C9-C12 Aliphatics                  | N/A           | 2500 | µg/L  | 5910    |
| Benzene                                       | C5-C8         | 100  | µg/L  | 8790    |
| Ethylbenzene                                  | C9-C12        | 100  | µg/L  | 2580    |
| Methyl-tert-butyl ether                       | C5-C8         | 100  | µg/L  | 405     |
| Naphthalene                                   | N/A           | 100  | µg/L  | 492     |
| Toluene                                       | C5-C8         | 100  | µg/L  | 11500   |
| m- & p-Xylenes                                | C9-C12        | 200  | µg/L  | 8070    |
| o-Xylene                                      | C9-C12        | 100  | µg/L  | 3480    |
| C5-C8 Aliphatics Hydrocarbons <sup>1,2</sup>  | N/A           | 2500 | µg/L  | U       |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 2500 | µg/L  | U       |
| C9-C10 Aromatic Hydrocarbons                  | N/A           | 500  | µg/L  | 3690    |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |      |       | 91      |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |      |       | 89      |
| Surrogate Acceptance Range                    |               |      |       | 70-130% |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.

RL = Report Limit

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1  
 May 2004.

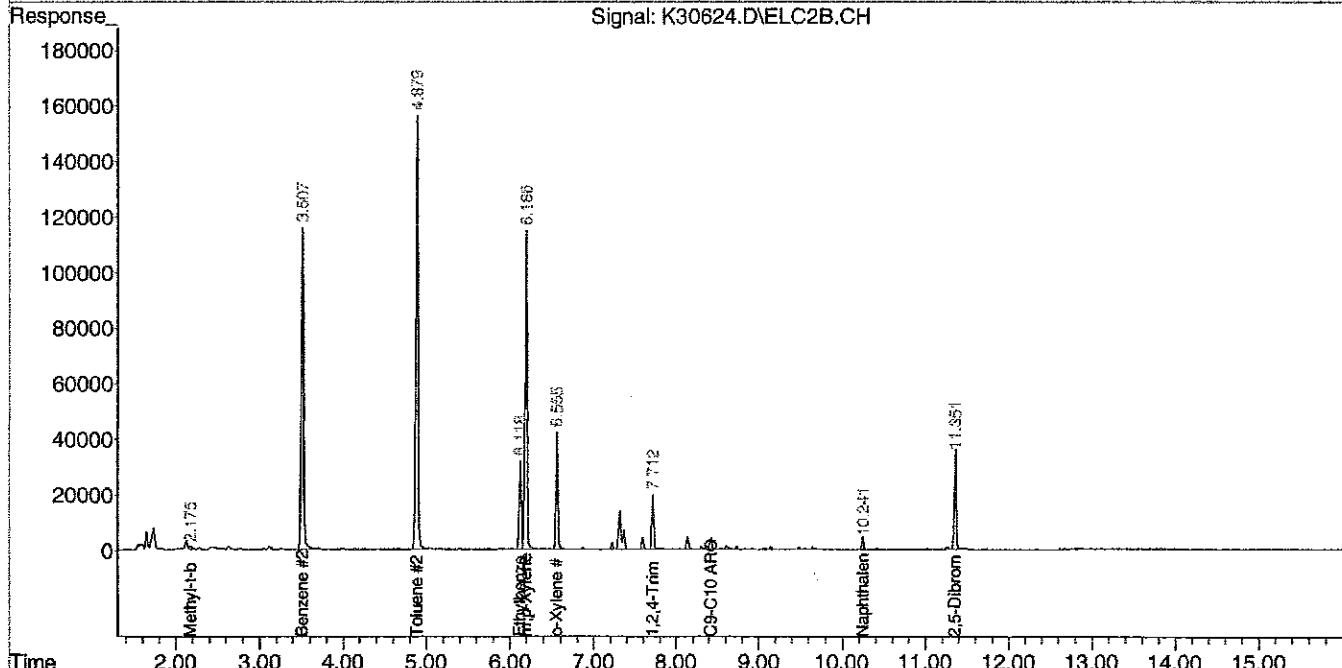
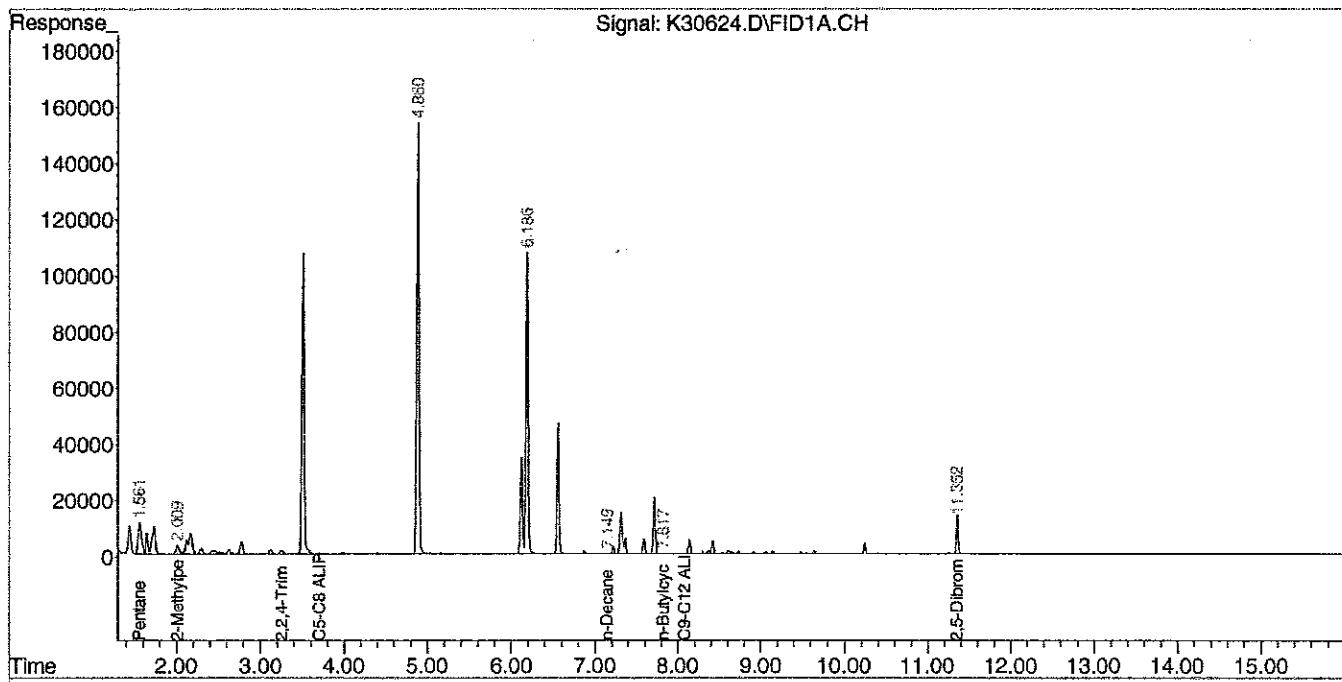
COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

Authorized signature: Mahluli

Data Path : C:\msdchem\1\DATA\010311-K\  
 Data File : K30624.D  
 Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH  
 Acq On : 03 Jan 2011 3:24 pm  
 Operator : JJL  
 Sample : 68727-1,50X  
 Misc : 100  
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 03 15:54:58 2011  
 Quant Method : C:\msdchem\1\METHODS\VPH110810.M  
 Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004  
 QLast Update : Tue Nov 09 10:03:10 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



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 PO Box 1107  
 Yarmouth, ME 04096-1107

January 4, 2011  
**SAMPLE DATA**

**CLIENT SAMPLE ID**

Project Name: DEP 2536-10

Project Number:

Field Sample ID: MW-102

Lab Sample ID: 68727-2  
 Matrix: Aqueous  
 Percent Solid: N/A  
 Dilution Factor: 5  
 Collection Date: 12/21/10  
 Lab Receipt Date: 12/22/10  
 Analysis Date: 01/03/11

**ANALYTICAL RESULTS VOLATILE ORGANICS**

| COMPOUND                 | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ | COMPOUND                  | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ |
|--------------------------|------------------------------------|------------------------|---------------------------|------------------------------------|------------------------|
| Vinyl chloride           | 5                                  | U                      | 1,2-Dichloroethane        | 5                                  | U                      |
| 1,1-Dichloroethene       | 5                                  | U                      | 1,1,1-Trichloroethane     | 5                                  | U                      |
| cis-1,2-Dichloroethene   | 5                                  | U                      | 1,1,2-Trichloroethane     | 5                                  | U                      |
| trans-1,2-Dichloroethene | 5                                  | U                      | 1,1,2,2-Tetrachloroethane | 5                                  | U                      |
| Trichloroethene          | 5                                  | U                      | Chlorobenzene             | 5                                  | U                      |
| Tetrachloroethene        | 5                                  | U                      | Bromoform                 | 5                                  | U                      |
| Chloromethane            | 5                                  | U                      | Dichlorodifluoromethane   | 5                                  | U                      |
| Methylene chloride       | 25                                 | U                      | Trichlorofluoromethane    | 5                                  | U                      |
| Chloroform               | 5                                  | U                      | 1,3-Dichlorobenzene       | 5                                  | U                      |
| Carbon tetrachloride     | 5                                  | U                      | 1,2-Dichlorobenzene       | 5                                  | U                      |
| Bromodichloromethane     | 5                                  | U                      | 1,4-Dichlorobenzene       | 5                                  | U                      |
| Dibromochloromethane     | 5                                  | U                      | 1,2-Dichloropropane       | 5                                  | U                      |
| Bromomethane             | 10                                 | U                      | cis-1,3-Dichloropropene   | 5                                  | U                      |
| Chloroethane             | 5                                  | U                      | trans-1,3-Dichloropropene | 5                                  | U                      |
| 1,1-Dichloroethane       | 5                                  | U                      | Dibromomethane            | 5                                  | U                      |

**Surrogate Standard Recovery**

|                       |      |            |      |                    |      |
|-----------------------|------|------------|------|--------------------|------|
| d4-1,2-Dichloroethane | 93 % | d8-Toluene | 99 % | Bromofluorobenzene | 91 % |
|-----------------------|------|------------|------|--------------------|------|

U=Undetected

J=Estimated

E=Exceeds Calibration Range

B=Detected in Blank

**METHODOLOGY:** Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

**COMMENTS:** Quantitation limits increased due to the presence of non-target analytes.

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 Maine Environmental Laboratory, Inc.  
 PO Box 1107  
 Yarmouth, ME 04096-1107

January 4, 2011

**SAMPLE DATA**

**CLIENT SAMPLE ID**

---

Project Name: DEP 2536-10

Project Number:

Client Sample ID: MW-102

|                   |          |
|-------------------|----------|
| Lab Sample ID:    | 68727-2  |
| Matrix:           | Aqueous  |
| Percent Solid:    | N/A      |
| Dilution Factor:  | 10       |
| Collection Date:  | 12/21/10 |
| Lab Receipt Date: | 12/22/10 |
| Analysis Date:    | 12/29/10 |

**VPH ANALYTICAL RESULTS**

| RANGE/TARGET ANALYTE                          | Elution Range | RL  | Units | Result  |
|---|---------------|-----|-------|---------|
| Unadjusted C5-C8 Aliphatics                   | N/A           | 500 | µg/L  | 3670    |
| Unadjusted C9-C12 Aliphatics                  | N/A           | 500 | µg/L  | 3540    |
| Benzene                                       | C5-C8         | 20  | µg/L  | 220     |
| Ethylbenzene                                  | C9-C12        | 20  | µg/L  | 1480    |
| Methyl-tert-butyl ether                       | C5-C8         | 20  | µg/L  | 49      |
| Naphthalene                                   | N/A           | 20  | µg/L  | 286     |
| Toluene                                       | C5-C8         | 20  | µg/L  | 430     |
| m- & p-Xylenes                                | C9-C12        | 40  | µg/L  | 4230    |
| o-Xylene                                      | C9-C12        | 20  | µg/L  | 1180    |
| C5-C8 Aliphatics Hydrocarbons <sup>1,2</sup>  | N/A           | 500 | µg/L  | 2970    |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 500 | µg/L  | U       |
| C9-C10 Aromatic Hydrocarbons                  | N/A           | 100 | µg/L  | 3250    |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |     |       | 93      |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |     |       | 99      |
| Surrogate Acceptance Range                    |               |     |       | 70-130% |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.

RL = Report Limit

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1  
 May 2004.

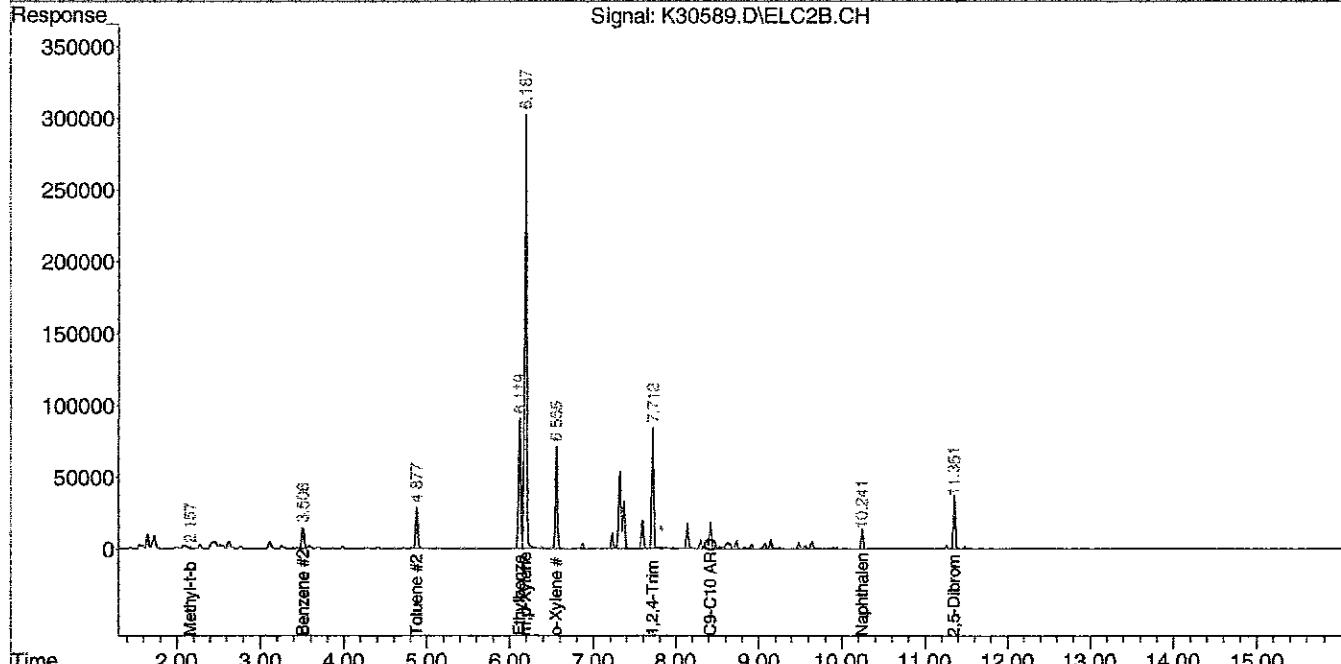
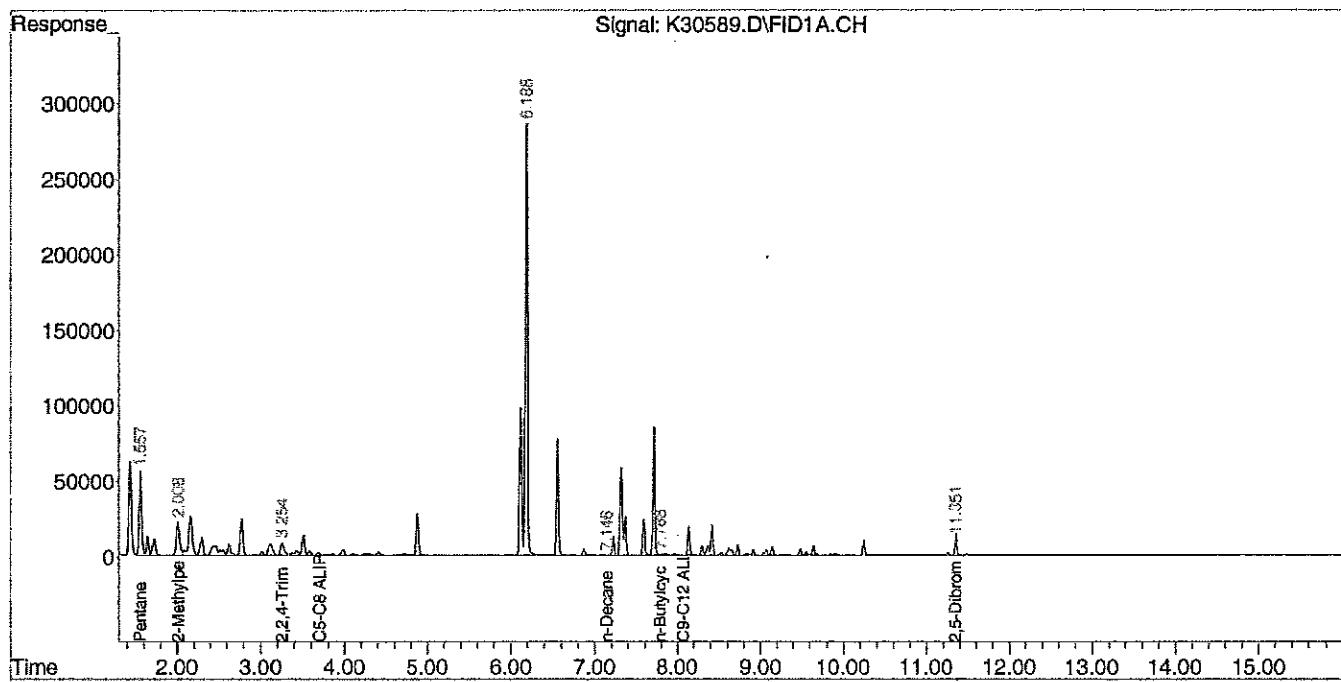
COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

Authorized signature: M. L. Mull

Data Path : C:\msdchem\1\DATA\122910-K\  
 Data File : K30589.D  
 Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH  
 Acq On : 29 Dec 2010 5:18 pm  
 Operator : JJL  
 Sample : 68727-2,10X  
 Misc : 500  
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 03 10:07:56 2011  
 Quant Method : C:\msdchem\1\METHODS\VPH110810.M  
 Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004  
 QLast Update : Tue Nov 09 10:03:10 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



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 PO Box 1107  
 Yarmouth, ME 04096-1107

January 4, 2011  
**SAMPLE DATA**

**CLIENT SAMPLE ID**

**Project Name:** DEP 2536-10

**Project Number:**

**Field Sample ID:** MW-103

|                          |          |
|--------------------------|----------|
| <b>Lab Sample ID:</b>    | 68727-3  |
| <b>Matrix:</b>           | Aqueous  |
| <b>Percent Solid:</b>    | N/A      |
| <b>Dilution Factor:</b>  | 1        |
| <b>Collection Date:</b>  | 12/21/10 |
| <b>Lab Receipt Date:</b> | 12/22/10 |
| <b>Analysis Date:</b>    | 01/03/11 |

**ANALYTICAL RESULTS VOLATILE ORGANICS**

| COMPOUND                 | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ | COMPOUND                  | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ |
|--------------------------|------------------------------------|------------------------|---------------------------|------------------------------------|------------------------|
| Vinyl chloride           | 1                                  | U                      | 1,2-Dichloroethane        | 1                                  | U                      |
| 1,1-Dichloroethene       | 1                                  | U                      | 1,1,1-Trichloroethane     | 1                                  | U                      |
| cis-1,2-Dichloroethene   | 1                                  | U                      | 1,1,2-Trichloroethane     | 1                                  | U                      |
| trans-1,2-Dichloroethene | 1                                  | U                      | 1,1,2,2-Tetrachloroethane | 1                                  | U                      |
| Trichloroethene          | 1                                  | U                      | Chlorobenzene             | 1                                  | U                      |
| Tetrachloroethene        | 1                                  | U                      | Bromoform                 | 1                                  | U                      |
| Chloromethane            | 1                                  | <b>0.5 J</b>           | Dichlorodifluoromethane   | 1                                  | U                      |
| Methylene chloride       | 5                                  | U                      | Trichlorofluoromethane    | 1                                  | U                      |
| Chloroform               | 1                                  | <b>1.4</b>             | 1,3-Dichlorobenzene       | 1                                  | U                      |
| Carbon tetrachloride     | 1                                  | U                      | 1,2-Dichlorobenzene       | 1                                  | U                      |
| Bromodichloromethane     | 1                                  | U                      | 1,4-Dichlorobenzene       | 1                                  | U                      |
| Dibromochloromethane     | 1                                  | U                      | 1,2-Dichloropropane       | 1                                  | U                      |
| Bromomethane             | 2                                  | U                      | cis-1,3-Dichloropropene   | 1                                  | U                      |
| Chloroethane             | 1                                  | U                      | trans-1,3-Dichloropropene | 1                                  | U                      |
| 1,1-Dichloroethane       | 1                                  | U                      | Dibromomethane            | 1                                  | U                      |

**Surrogate Standard Recovery**

|                       |      |            |       |           |      |
|-----------------------|------|------------|-------|-----------|------|
| d4-1,2-Dichloroethane | 93 % | d8-Toluene | 100 % | Bromoform | 98 % |
|-----------------------|------|------------|-------|-----------|------|

U=Undetected

J=Estimated

E=Exceeds Calibration Range

B=Detected in Blank

**METHODOLOGY:** Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

**COMMENTS:**

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January 4, 2011

**SAMPLE DATA**

|                   |          |
|-------------------|----------|
| Lab Sample ID:    | 68727-3  |
| Matrix:           | Aqueous  |
| Percent Solid:    | N/A      |
| Dilution Factor:  | 5        |
| Collection Date:  | 12/21/10 |
| Lab Receipt Date: | 12/22/10 |
| Analysis Date:    | 12/29/10 |

**CLIENT SAMPLE ID**

Project Name: DEP 2536-10

Project Number:

Client Sample ID: MW-103

**VPH ANALYTICAL RESULTS**

| RANGE/TARGET ANALYTE                          | Elution Range | RL  | Units | Result  |
|---|---------------|-----|-------|---------|
| Unadjusted C5-C8 Aliphatics                   | N/A           | 250 | µg/L  | 754     |
| Unadjusted C9-C12 Aliphatics                  | N/A           | 250 | µg/L  | 340     |
| Benzene                                       | C5-C8         | 10  | µg/L  | 6 J     |
| Ethylbenzene                                  | C9-C12        | 10  | µg/L  | 179     |
| Methyl-tert-butyl ether                       | C5-C8         | 10  | µg/L  | 166     |
| Naphthalene                                   | N/A           | 10  | µg/L  | 41      |
| Toluene                                       | C5-C8         | 10  | µg/L  | U       |
| m- & p-Xylenes                                | C9-C12        | 20  | µg/L  | 219     |
| o-Xylene                                      | C9-C12        | 10  | µg/L  | 19      |
| C5-C8 Aliphatics Hydrocarbons <sup>1,2</sup>  | N/A           | 250 | µg/L  | 582     |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 250 | µg/L  | U       |
| C9-C10 Aromatic Hydrocarbons <sup>1</sup>     | N/A           | 50  | µg/L  | 471     |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |     |       | 100     |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |     |       | 97      |
| Surrogate Acceptance Range                    |               |     |       | 70-130% |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.

RL = Report Limit

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1  
May 2004.

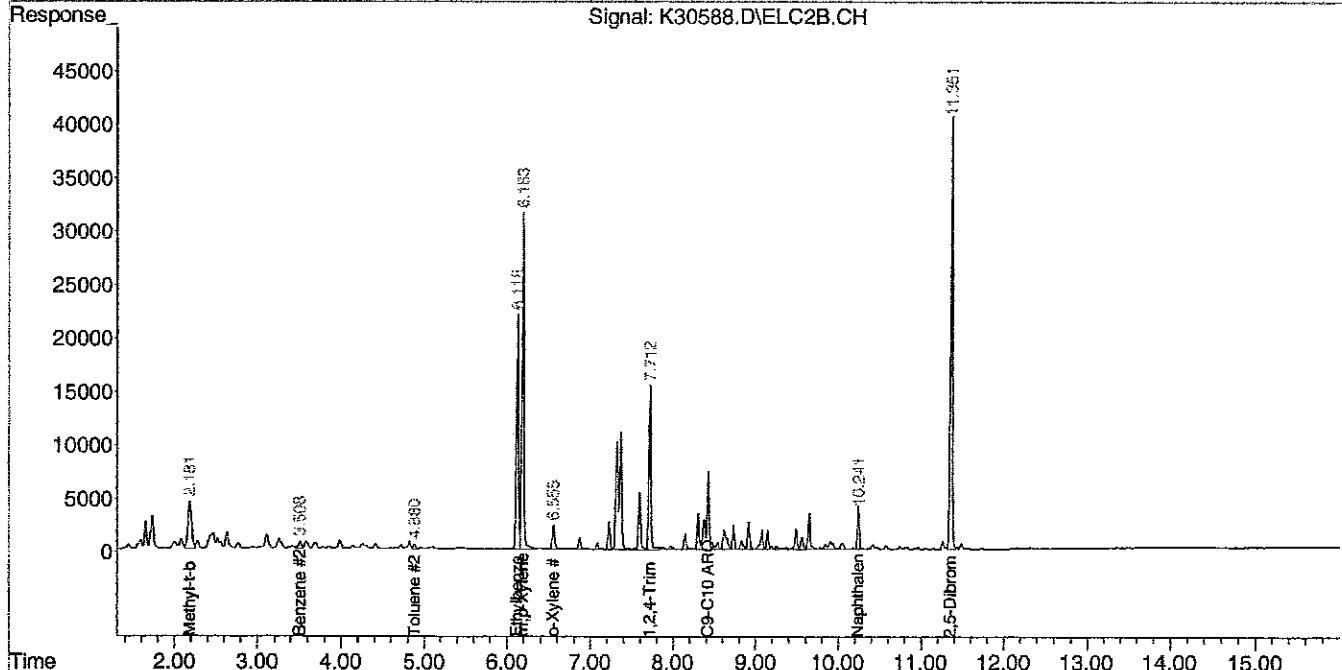
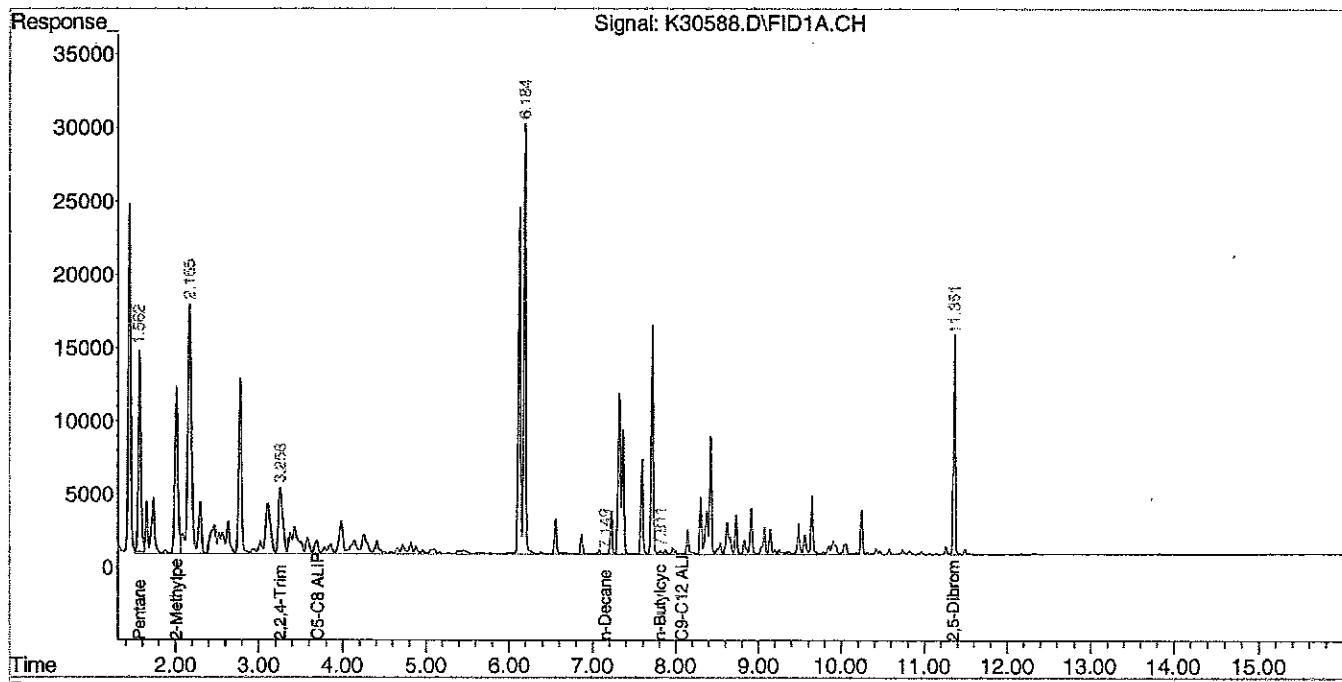
COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

Authorized signature: Mark Bell

Data Path : C:\msdchem\1\DATA\122910-K\  
 Data File : K30588.D  
 Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH  
 Acq On : 29 Dec 2010 4:53 pm  
 Operator : JJL  
 Sample : 68727-3,5X  
 Misc : 1000  
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 29 21:14:21 2010  
 Quant Method : C:\msdchem\1\METHODS\VPH110810.M  
 Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004  
 QLast Update : Tue Nov 09 10:03:10 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



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January 4, 2011  
**SAMPLE DATA**

**CLIENT SAMPLE ID**

Project Name: DEP 2536-10

Project Number:

Field Sample ID: MW-104

Lab Sample ID: 68727-4  
 Matrix: Aqueous  
 Percent Solid: N/A  
 Dilution Factor: 1  
 Collection Date: 12/21/10  
 Lab Receipt Date: 12/22/10  
 Analysis Date: 01/03/11

**ANALYTICAL RESULTS VOLATILE ORGANICS**

| COMPOUND                 | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ | COMPOUND                  | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ |
|--------------------------|------------------------------------|------------------------|---------------------------|------------------------------------|------------------------|
| Vinyl chloride           | 1                                  | U                      | 1,2-Dichloroethane        | 1                                  | U                      |
| 1,1-Dichloroethene       | 1                                  | U                      | 1,1,1-Trichloroethane     | 1                                  | U                      |
| cis-1,2-Dichloroethene   | 1                                  | U                      | 1,1,2-Trichloroethane     | 1                                  | U                      |
| trans-1,2-Dichloroethene | 1                                  | U                      | 1,1,2,2-Tetrachloroethane | 1                                  | U                      |
| Trichloroethene          | 1                                  | U                      | Chlorobenzene             | 1                                  | U                      |
| Tetrachloroethene        | 1                                  | U                      | Bromoform                 | 1                                  | U                      |
| Chloromethane            | 1                                  | U                      | Dichlorodifluoromethane   | 1                                  | U                      |
| Methylene chloride       | 5                                  | U                      | Trichlorofluoromethane    | 1                                  | U                      |
| Chloroform               | 1                                  | U                      | 1,3-Dichlorobenzene       | 1                                  | U                      |
| Carbon tetrachloride     | 1                                  | U                      | 1,2-Dichlorobenzene       | 1                                  | U                      |
| Bromodichloromethane     | 1                                  | U                      | 1,4-Dichlorobenzene       | 1                                  | U                      |
| Dibromochloromethane     | 1                                  | U                      | 1,2-Dichloropropane       | 1                                  | U                      |
| Bromomethane             | 2                                  | U                      | cis-1,3-Dichloropropene   | 1                                  | U                      |
| Chloroethane             | 1                                  | U                      | trans-1,3-Dichloropropene | 1                                  | U                      |
| 1,1-Dichloroethane       | 1                                  | U                      | Dibromomethane            | 1                                  | U                      |

**Surrogate Standard Recovery**

|                       |      |            |      |                    |       |
|-----------------------|------|------------|------|--------------------|-------|
| d4-1,2-Dichloroethane | 96 % | d8-Toluene | 99 % | Bromofluorobenzene | 100 % |
|-----------------------|------|------------|------|--------------------|-------|

U=Undetected

J=Estimated

E=Exceeds Calibration Range

B=Detected in Blank

**METHODOLOGY:** Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

**COMMENTS:**

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January 4, 2011

#### SAMPLE DATA

#### CLIENT SAMPLE ID

Project Name: DEP 2536-10

Project Number:

Client Sample ID: MW-104

|                   |          |
|-------------------|----------|
| Lab Sample ID:    | 68727-4  |
| Matrix:           | Aqueous  |
| Percent Solid:    | N/A      |
| Dilution Factor:  | 1        |
| Collection Date:  | 12/21/10 |
| Lab Receipt Date: | 12/22/10 |
| Analysis Date:    | 12/29/10 |

#### VPH ANALYTICAL RESULTS

| RANGE/TARGET ANALYTE                          | Elution Range | RL | Units | Result  |
|---|---------------|----|-------|---------|
| Unadjusted C5-C8 Aliphatics <sup>1</sup>      | N/A           | 50 | µg/L  | U       |
| Unadjusted C9-C12 Aliphatics                  | N/A           | 50 | µg/L  | U       |
| Benzene                                       | C5-C8         | 2  | µg/L  | U       |
| Ethylbenzene                                  | C9-C12        | 2  | µg/L  | U       |
| Methyl-tert-butyl ether                       | C5-C8         | 2  | µg/L  | U       |
| Naphthalene                                   | N/A           | 2  | µg/L  | U       |
| Toluene                                       | C5-C8         | 2  | µg/L  | U       |
| m- & p-Xylenes                                | C9-C12        | 4  | µg/L  | U       |
| o-Xylene                                      | C9-C12        | 2  | µg/L  | U       |
| C5-C8 Aliphatics Hydrocarbons <sup>1,2</sup>  | N/A           | 50 | µg/L  | U       |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 50 | µg/L  | U       |
| C9-C10 Aromatic Hydrocarbons <sup>1</sup>     | N/A           | 10 | µg/L  | U       |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |    |       | 93      |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |    |       | 91      |
| Surrogate Acceptance Range                    |               |    |       | 70-130% |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.

RL = Report Limit

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1  
 May 2004.

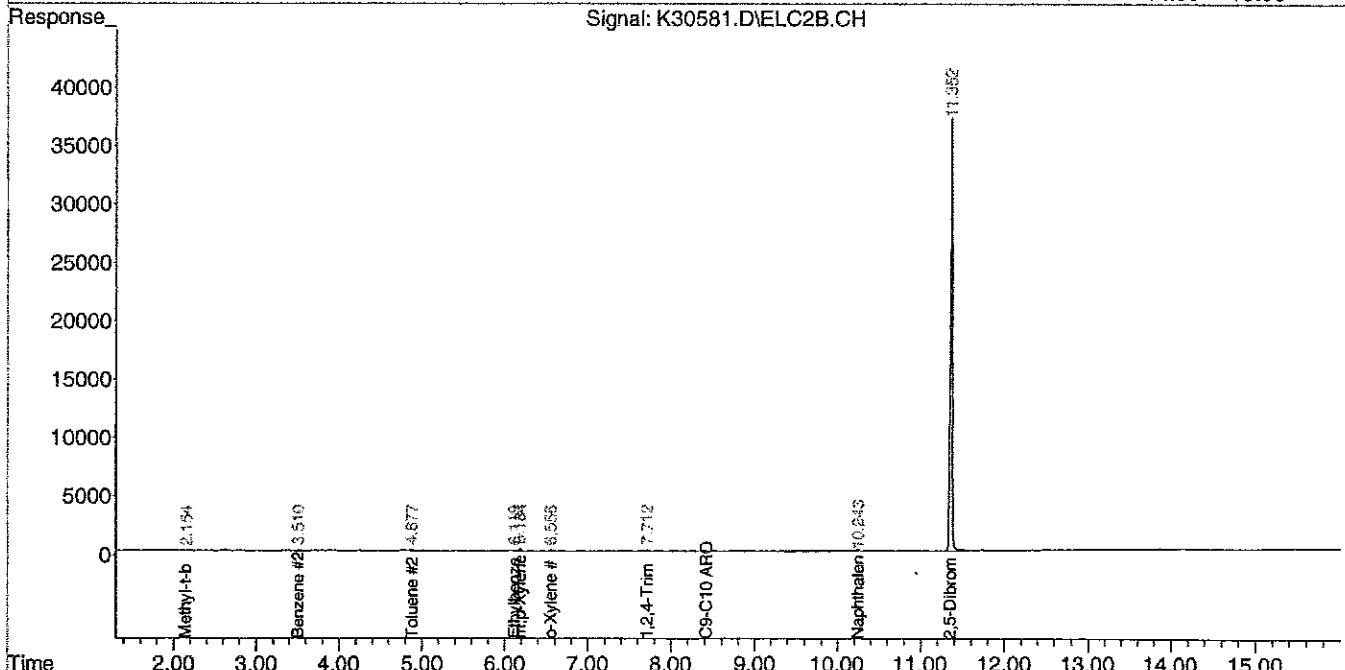
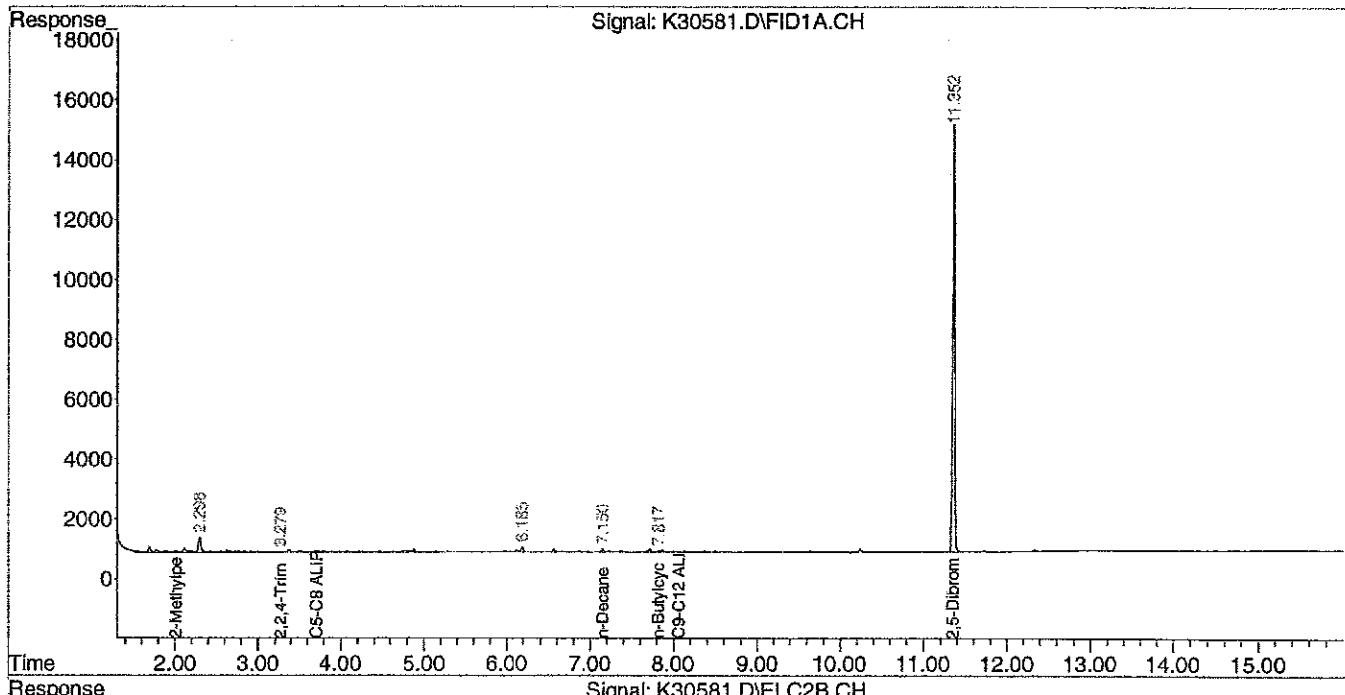
COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

Authorized signature: M. Mihlburg

Data Path : C:\msdchem\1\DATA\122910-K\  
Data File : K30581.D  
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH  
Acq On : 29 Dec 2010 1:25 pm  
Operator : JJL  
Sample : 68727-4  
Misc : 5000  
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 03 10:06:47 2011  
Quant Method : C:\msdchem\1\METHODS\VPH110810.M  
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004  
QLast Update : Tue Nov 09 10:03:10 2010  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



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January 4, 2011  
**SAMPLE DATA**

**CLIENT SAMPLE ID**

Project Name: DEP 2536-10

Project Number:

Field Sample ID: MW-106

Lab Sample ID: 68727-5  
 Matrix: Aqueous  
 Percent Solid: N/A  
 Dilution Factor: 1  
 Collection Date: 12/21/10  
 Lab Receipt Date: 12/22/10  
 Analysis Date: 01/03/11

**ANALYTICAL RESULTS VOLATILE ORGANICS**

| COMPOUND                 | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ | COMPOUND                  | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ |
|--------------------------|------------------------------------|------------------------|---------------------------|------------------------------------|------------------------|
| Vinyl chloride           | 1                                  | U                      | 1,2-Dichloroethane        | 1                                  | U                      |
| 1,1-Dichloroethene       | 1                                  | U                      | 1,1,1-Trichloroethane     | 1                                  | U                      |
| cis-1,2-Dichloroethene   | 1                                  | U                      | 1,1,2-Trichloroethane     | 1                                  | U                      |
| trans-1,2-Dichloroethene | 1                                  | U                      | 1,1,2,2-Tetrachloroethane | 1                                  | U                      |
| Trichloroethene          | 1                                  | U                      | Chlorobenzene             | 1                                  | U                      |
| Tetrachloroethene        | 1                                  | U                      | Bromoform                 | 1                                  | U                      |
| Chloromethane            | 1                                  | U                      | Dichlorodifluoromethane   | 1                                  | U                      |
| Methylene chloride       | 5                                  | U                      | Trichlorofluoromethane    | 1                                  | U                      |
| Chloroform               | 1                                  | U                      | 1,3-Dichlorobenzene       | 1                                  | U                      |
| Carbon tetrachloride     | 1                                  | U                      | 1,2-Dichlorobenzene       | 1                                  | U                      |
| Bromodichloromethane     | 1                                  | U                      | 1,4-Dichlorobenzene       | 1                                  | U                      |
| Dibromochloromethane     | 1                                  | U                      | 1,2-Dichloropropane       | 1                                  | U                      |
| Bromomethane             | 2                                  | U                      | cis-1,3-Dichloropropene   | 1                                  | U                      |
| Chloroethane             | 1                                  | U                      | trans-1,3-Dichloropropene | 1                                  | U                      |
| 1,1-Dichloroethane       | 1                                  | U                      | Dibromomethane            | 1                                  | U                      |

| <u>Surrogate Standard Recovery</u> |    |   |            |     |   |
|------------------------------------|----|---|------------|-----|---|
| d4-1,2-Dichloroethane              | 93 | % | d8-Toluene | 100 | % |

|              |             |                             |                     |
|--------------|-------------|-----------------------------|---------------------|
| U=Undetected | J=Estimated | E=Exceeds Calibration Range | B=Detected in Blank |
|--------------|-------------|-----------------------------|---------------------|

**METHODOLOGY:** Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

**COMMENTS:**

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January 4, 2011

#### SAMPLE DATA

**CLIENT SAMPLE ID**

---

Project Name: DEP 2536-10  
 Project Number:  
 Client Sample ID: MW-106

|                   |          |
|-------------------|----------|
| Lab Sample ID:    | 68727-5  |
| Matrix:           | Aqueous  |
| Percent Solid:    | N/A      |
| Dilution Factor:  | 2        |
| Collection Date:  | 12/21/10 |
| Lab Receipt Date: | 12/22/10 |
| Analysis Date:    | 12/29/10 |

| VPH ANALYTICAL RESULTS                        |               |     |       |         |
|---|---------------|-----|-------|---------|
| RANGE/TARGET ANALYTE                          | Elution Range | RL  | Units | Result  |
| Unadjusted C5-C8 Aliphatics <sup>1</sup>      | N/A           | 100 | µg/L  | 856     |
| Unadjusted C9-C12 Aliphatics                  | N/A           | 100 | µg/L  | 248     |
| Benzene                                       | C5-C8         | 4   | µg/L  | 8       |
| Ethylbenzene                                  | C9-C12        | 4   | µg/L  | 23      |
| Methyl-tert-butyl ether                       | C5-C8         | 4   | µg/L  | 61      |
| Naphthalene                                   | N/A           | 4   | µg/L  | U       |
| Toluene                                       | C5-C8         | 4   | µg/L  | 3.1     |
| m- & p-Xylenes                                | C9-C12        | 8   | µg/L  | U       |
| o-Xylene                                      | C9-C12        | 4   | µg/L  | U       |
| C5-C8 Aliphatic Hydrocarbons <sup>1,2</sup>   | N/A           | 100 | µg/L  | 784     |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 100 | µg/L  | U       |
| C9-C10 Aromatic Hydrocarbons <sup>1</sup>     | N/A           | 20  | µg/L  | 469     |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |     |       | 113     |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |     |       | 118     |
| Surrogate Acceptance Range                    |               |     |       | 70-130% |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.  
<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range  
<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.

RL = Report Limit  
 U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1  
 May 2004.

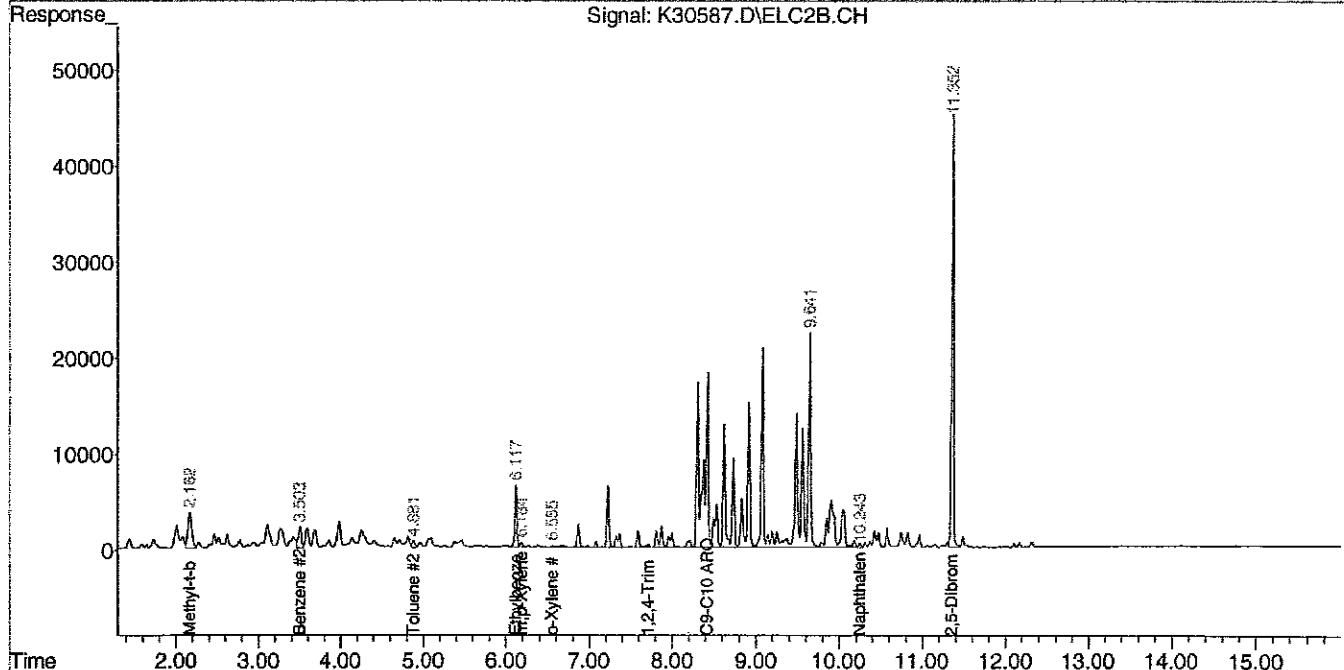
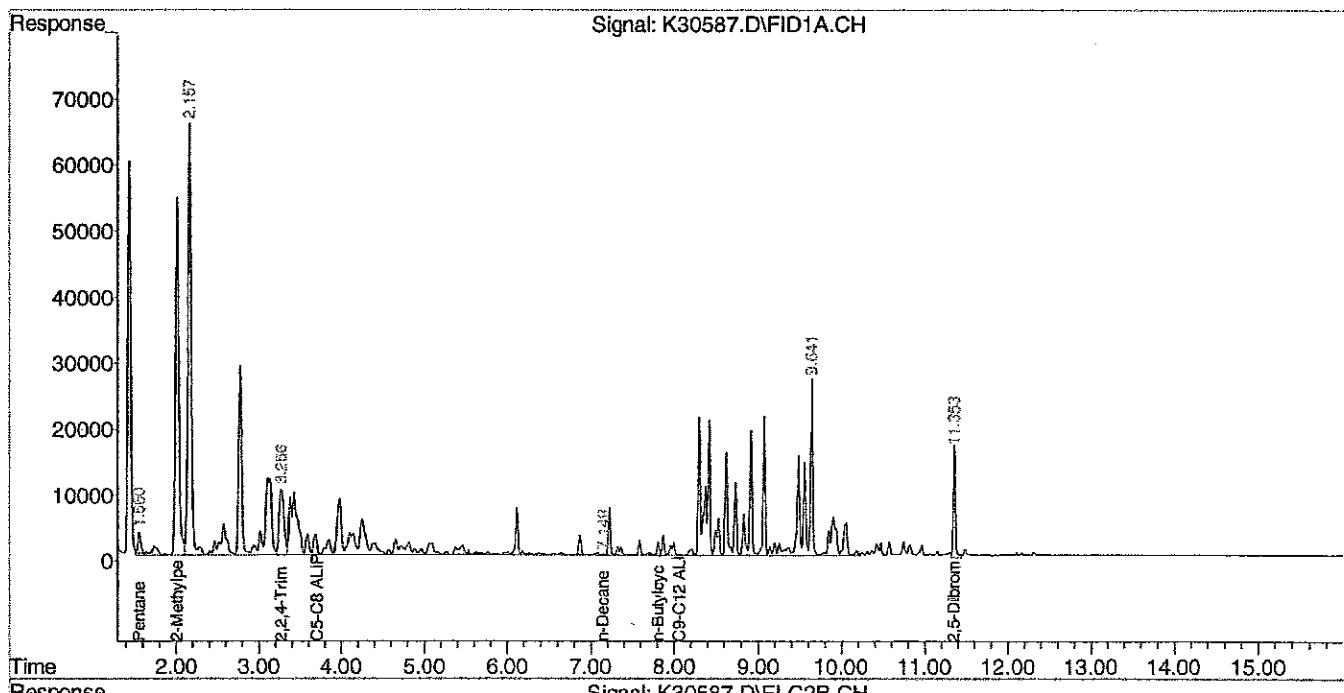
COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

Authorized signature: Mark Bell

Data Path : C:\msdchem\1\DATA\122910-K\  
Data File : K30587.D  
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH  
Acq On : 29 Dec 2010 4:28 pm  
Operator : JL  
Sample : 68727-5, 2X  
Misc : 2500  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 29 21:14:04 2010  
Quant Method : C:\msdchem\1\METHODS\VPH110810.M  
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004  
QLast Update : Tue Nov 09 10:03:10 2010  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



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January 4, 2011  
**SAMPLE DATA**

**CLIENT SAMPLE ID**

**Project Name:** DEP 2536-10

**Project Number:**

**Field Sample ID:** MW-3A

**Lab Sample ID:** 68727-6  
**Matrix:** Aqueous  
**Percent Solid:** N/A  
**Dilution Factor:** 50  
**Collection Date:** 12/21/10  
**Lab Receipt Date:** 12/22/10  
**Analysis Date:** 01/04/11

**ANALYTICAL RESULTS VOLATILE ORGANICS**

| <b>COMPOUND</b>          | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ | <b>COMPOUND</b>           | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ |
|--------------------------|------------------------------------|------------------------|---------------------------|------------------------------------|------------------------|
| Vinyl chloride           | 50                                 | U                      | 1,2-Dichloroethane        | 50                                 | U                      |
| 1,1-Dichloroethene       | 50                                 | U                      | 1,1,1-Trichloroethane     | 50                                 | U                      |
| cis-1,2-Dichloroethene   | 50                                 | U                      | 1,1,2-Trichloroethane     | 50                                 | U                      |
| trans-1,2-Dichloroethene | 50                                 | U                      | 1,1,2,2-Tetrachloroethane | 50                                 | U                      |
| Trichloroethene          | 50                                 | U                      | Chlorobenzene             | 50                                 | U                      |
| Tetrachloroethene        | 50                                 | U                      | Bromoform                 | 50                                 | U                      |
| Chloromethane            | 50                                 | U                      | Dichlorodifluoromethane   | 50                                 | U                      |
| Methylene chloride       | 250                                | U                      | Trichlorofluoromethane    | 50                                 | U                      |
| Chloroform               | 50                                 | U                      | 1,3-Dichlorobenzene       | 50                                 | U                      |
| Carbon tetrachloride     | 50                                 | U                      | 1,2-Dichlorobenzene       | 50                                 | U                      |
| Bromodichloromethane     | 50                                 | U                      | 1,4-Dichlorobenzene       | 50                                 | U                      |
| Dibromochloromethane     | 50                                 | U                      | 1,2-Dichloropropane       | 50                                 | U                      |
| Bromomethane             | 100                                | U                      | cis-1,3-Dichloropropene   | 50                                 | U                      |
| Chloroethane             | 50                                 | U                      | trans-1,3-Dichloropropene | 50                                 | U                      |
| 1,1-Dichloroethane       | 50                                 | U                      | Dibromomethane            | 50                                 | U                      |

**Surrogate Standard Recovery**

|                       |      |            |      |                    |      |
|-----------------------|------|------------|------|--------------------|------|
| d4-1,2-Dichloroethane | 98 % | d8-Toluene | 99 % | Bromofluorobenzene | 93 % |
|-----------------------|------|------------|------|--------------------|------|

U=Undetected

J=Estimated

E=Exceeds Calibration Range

B=Detected in Blank

**METHODOLOGY:** Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

**COMMENTS:** Quantitation limits increased due to the presence of non-target analytes.

Mr. Herb Kodis  
 Maine Environmental Laboratory, Inc.  
 PO Box 1107  
 Yarmouth, ME 04096-1107

January 4, 2011

#### SAMPLE DATA

**CLIENT SAMPLE ID**

---

Project Name: DEP 2536-10  
 Project Number:  
 Client Sample ID: MW-3A

|                   |          |
|-------------------|----------|
| Lab Sample ID:    | 68727-6  |
| Matrix:           | Aqueous  |
| Percent Solid:    | N/A      |
| Dilution Factor:  | 100      |
| Collection Date:  | 12/21/10 |
| Lab Receipt Date: | 12/22/10 |
| Analysis Date:    | 01/03/11 |

| VPH ANALYTICAL RESULTS                        |               |      |       |         |
|---|---------------|------|-------|---------|
| RANGE/TARGET ANALYTE                          | Elution Range | RL   | Units | Result  |
| Unadjusted C5-C8 Aliphatics <sup>1</sup>      | N/A           | 5000 | µg/L  | 50200   |
| Unadjusted C9-C12 Aliphatics                  | N/A           | 5000 | µg/L  | 20600   |
| Benzene                                       | C5-C8         | 200  | µg/L  | 14400   |
| Ethylbenzene                                  | C9-C12        | 200  | µg/L  | 2330    |
| Methyl-tert-butyl ether                       | C5-C8         | 200  | µg/L  | 2420    |
| Naphthalene                                   | N/A           | 200  | µg/L  | 1530    |
| Toluene                                       | C5-C8         | 200  | µg/L  | 32300   |
| m- & p-Xylenes                                | C9-C12        | 400  | µg/L  | 22500   |
| o-Xylene                                      | C9-C12        | 200  | µg/L  | 10400   |
| C5-C8 Aliphatics Hydrocarbons <sup>1,2</sup>  | N/A           | 5000 | µg/L  | U       |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 5000 | µg/L  | U       |
| C9-C10 Aromatic Hydrocarbons <sup>1</sup>     | N/A           | 1000 | µg/L  | 20900   |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |      |       | 84      |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |      |       | 83      |
| Surrogate Acceptance Range                    |               |      |       | 70-130% |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.  
<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range  
<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.  
 RL = Report Limit  
 U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004.

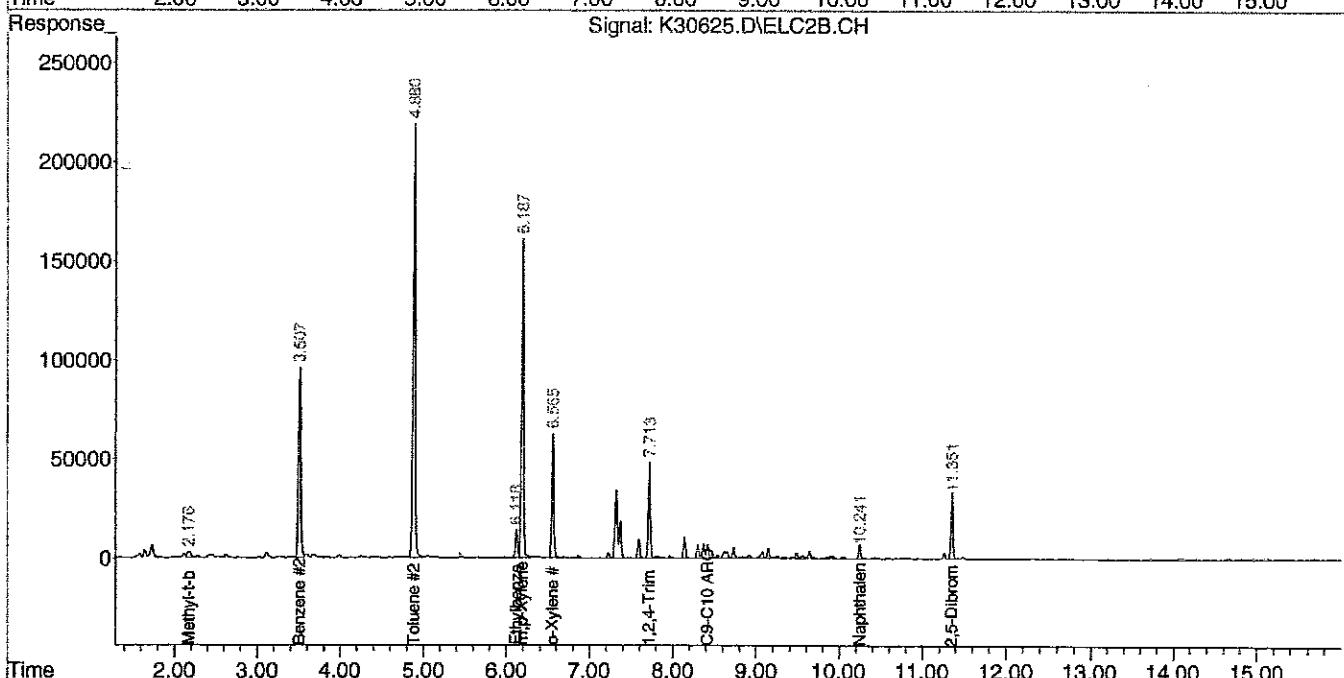
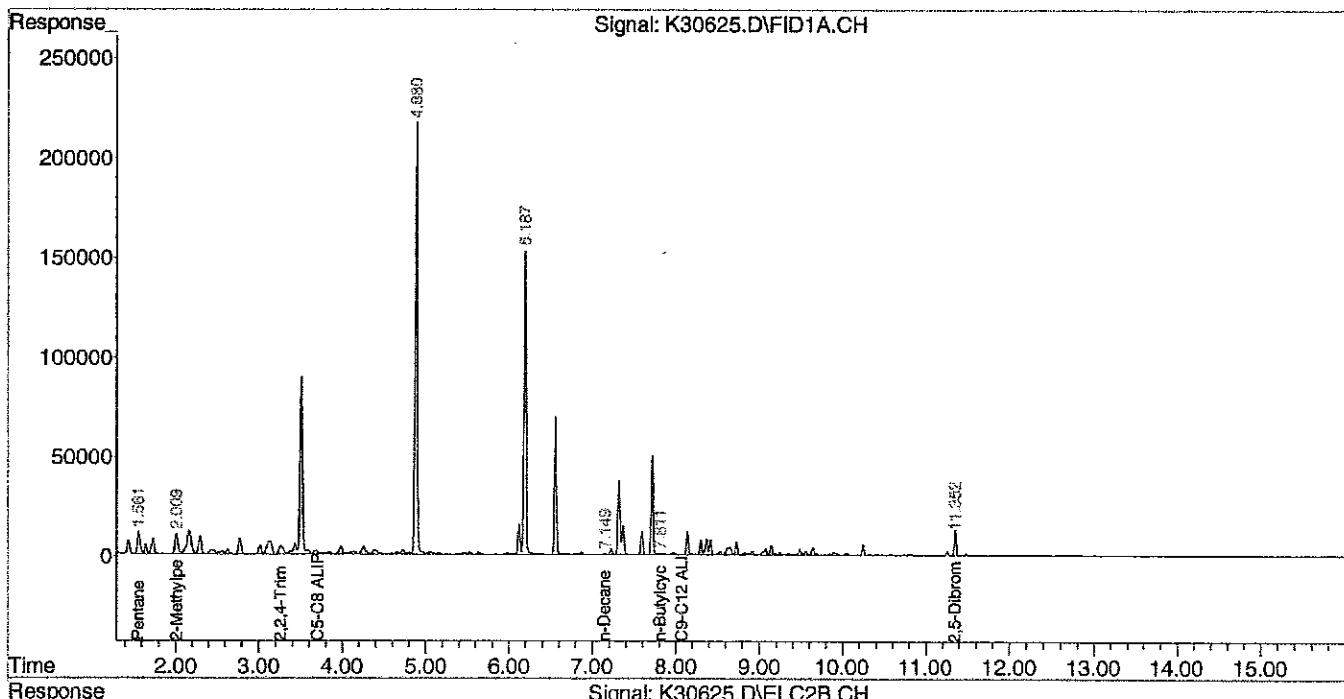
COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

Authorized signature: Malibull

Data Path : C:\msdchem\1\DATA\010311-K\  
 Data File : K30625.D  
 Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH  
 Acq On : 03 Jan 2011 3:49 pm  
 Operator : JJL  
 Sample : 68727-6,100X  
 Misc : 50  
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 04 10:13:15 2011  
 Quant Method : C:\msdchem\1\METHODS\VPH110810.M  
 Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004  
 QLast Update : Tue Nov 09 10:03:10 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Mr. Herb Kodis  
Maine Environmental Laboratory, Inc.  
PO Box 1107  
Yarmouth, ME 04096-1107

January 4, 2011  
**SAMPLE DATA**

**CLIENT SAMPLE ID**

Project Name: DEP 2536-10

Project Number:

Field Sample ID: Trip Blank

Lab Sample ID: 68727-7  
Matrix: Aqueous  
Percent Solid: N/A  
Dilution Factor: 1  
Collection Date: 12/21/10  
Lab Receipt Date: 12/22/10  
Analysis Date: 01/03/11

**ANALYTICAL RESULTS VOLATILE ORGANICS**

| COMPOUND                 | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ | COMPOUND                  | Quantitation Limit $\mu\text{g/L}$ | Result $\mu\text{g/L}$ |
|--------------------------|------------------------------------|------------------------|---------------------------|------------------------------------|------------------------|
| Vinyl chloride           | 1                                  | U                      | 1,2-Dichloroethane        | 1                                  | U                      |
| 1,1-Dichloroethene       | 1                                  | U                      | 1,1,1-Trichloroethane     | 1                                  | U                      |
| cis-1,2-Dichloroethene   | 1                                  | U                      | 1,1,2-Trichloroethane     | 1                                  | U                      |
| trans-1,2-Dichloroethene | 1                                  | U                      | 1,1,2,2-Tetrachloroethane | 1                                  | U                      |
| Trichloroethene          | 1                                  | U                      | Chlorobenzene             | 1                                  | U                      |
| Tetrachloroethene        | 1                                  | U                      | Bromoform                 | 1                                  | U                      |
| Chloromethane            | 1                                  | U                      | Dichlorodifluoromethane   | 1                                  | U                      |
| Methylene chloride       | 5                                  | U                      | Trichlorofluoromethane    | 1                                  | U                      |
| Chloroform               | 1                                  | U                      | 1,3-Dichlorobenzene       | 1                                  | U                      |
| Carbon tetrachloride     | 1                                  | U                      | 1,2-Dichlorobenzene       | 1                                  | U                      |
| Bromodichloromethane     | 1                                  | U                      | 1,4-Dichlorobenzene       | 1                                  | U                      |
| Dibromochloromethane     | 1                                  | U                      | 1,2-Dichloropropane       | 1                                  | U                      |
| Bromomethane             | 2                                  | U                      | cis-1,3-Dichloropropene   | 1                                  | U                      |
| Chloroethane             | 1                                  | U                      | trans-1,3-Dichloropropene | 1                                  | U                      |
| 1,1-Dichloroethane       | 1                                  | U                      | Dibromomethane            | 1                                  | U                      |

| <u>Surrogate Standard Recovery</u> |     |   |            |    |   |
|------------------------------------|-----|---|------------|----|---|
| d4-1,2-Dichloroethane              | 101 | % | d8-Toluene | 99 | % |

|              |             |                             |                     |
|--------------|-------------|-----------------------------|---------------------|
| U=Undetected | J=Estimated | E=Exceeds Calibration Range | B=Detected in Blank |
|--------------|-------------|-----------------------------|---------------------|

**METHODOLOGY:** Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

**COMMENTS:**

Mr. Herb Kodis  
Maine Environmental Laboratory, Inc.  
PO Box 1107  
Yarmouth, ME 04096-1107

January 4, 2011

**SAMPLE DATA**

**CLIENT SAMPLE ID**

Project Name: DEP 2536-10

Project Number:

Client Sample ID: Trip Blank

|                   |          |
|-------------------|----------|
| Lab Sample ID:    | 68727-7  |
| Matrix:           | Aqueous  |
| Percent Solid:    | N/A      |
| Dilution Factor:  | 1        |
| Collection Date:  | 12/21/10 |
| Lab Receipt Date: | 12/22/10 |
| Analysis Date:    | 12/29/10 |

**VPH ANALYTICAL RESULTS**

| RANGE/TARGET ANALYTE                          | Elution Range | RL | Units | Result  |
|---|---------------|----|-------|---------|
| Unadjusted C5-C8 Aliphatics <sup>1</sup>      | N/A           | 50 | µg/L  | U       |
| Unadjusted C9-C12 Aliphatics <sup>1</sup>     | N/A           | 50 | µg/L  | U       |
| Benzene                                       | C5-C8         | 2  | µg/L  | U       |
| Ethylbenzene                                  | C9-C12        | 2  | µg/L  | U       |
| Methyl-tert-butyl ether                       | C5-C8         | 2  | µg/L  | U       |
| Naphthalene                                   | N/A           | 2  | µg/L  | U       |
| Toluene                                       | C5-C8         | 2  | µg/L  | U       |
| m- & p-Xylenes                                | C9-C12        | 4  | µg/L  | U       |
| o-Xylene                                      | C9-C12        | 2  | µg/L  | U       |
| C5-C8 Aliphatic Hydrocarbons <sup>1,2</sup>   | N/A           | 50 | µg/L  | U       |
| C9-C12 Aliphatic Hydrocarbons <sup>1,3</sup>  | N/A           | 50 | µg/L  | U       |
| C9-C10 Aromatic Hydrocarbons <sup>1</sup>     | N/A           | 10 | µg/L  | U       |
| Surrogate % Recovery (2,5-Dibromotoluene) PID |               |    |       | 90      |
| Surrogate % Recovery (2,5-Dibromotoluene) FID |               |    |       | 87      |
| Surrogate Acceptance Range                    |               |    |       | 70-130% |

<sup>1</sup>Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

<sup>2</sup>C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

<sup>3</sup>C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.

RL = Report Limit

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1  
May 2004.

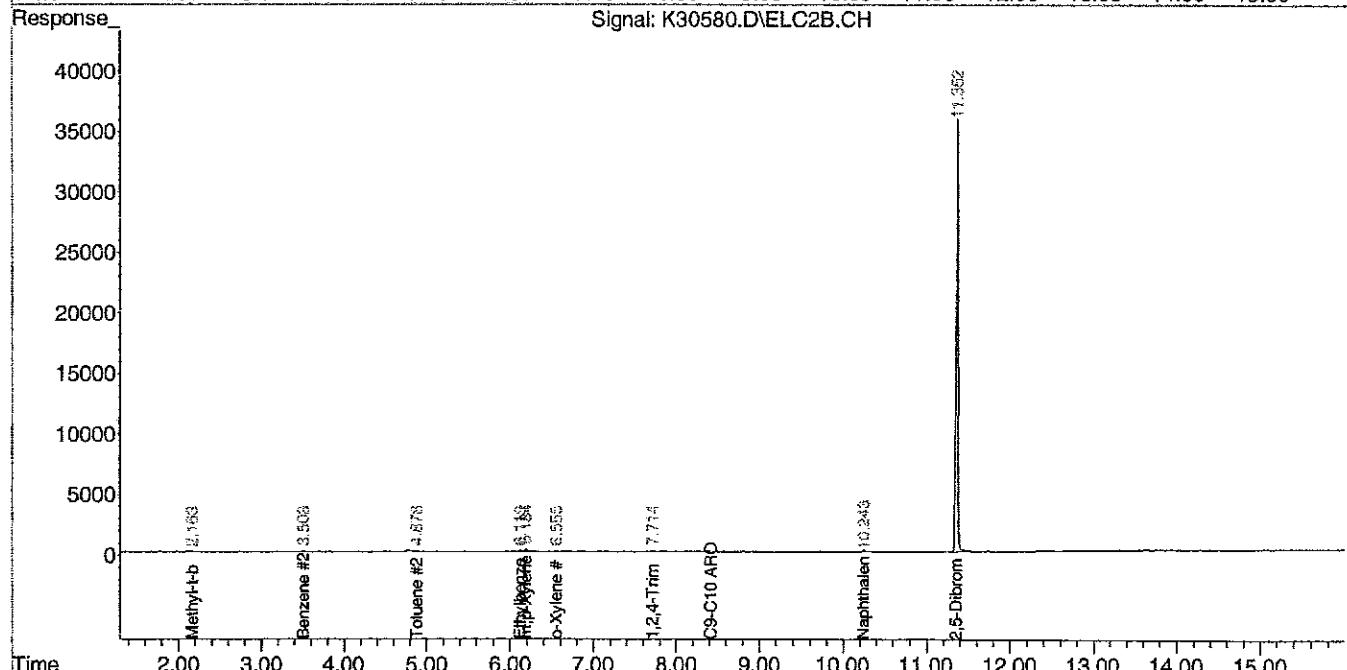
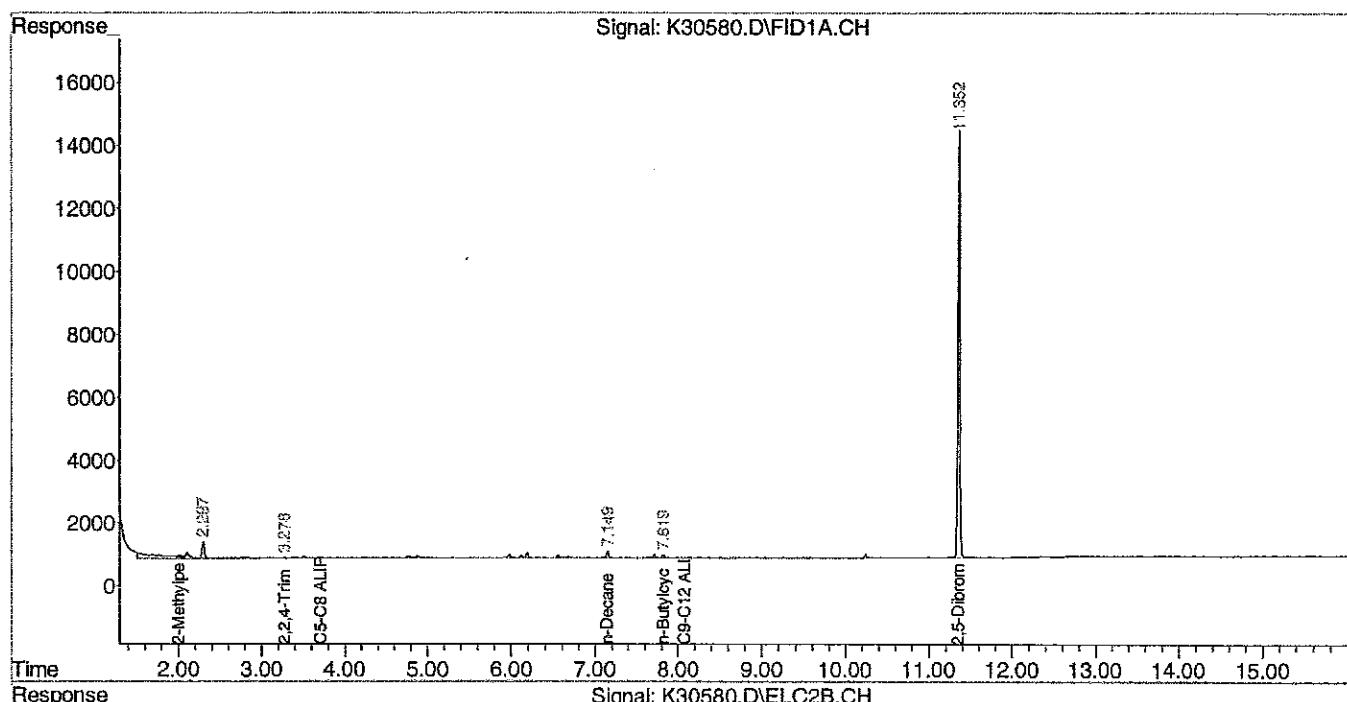
COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

Authorized signature: M. Mihell

Data Path : C:\msdchem\1\DATA\122910-K\  
Data File : K30580.D  
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH  
Acq On : 29 Dec 2010 1:00 pm  
Operator : JJL  
Sample : 68727-7  
Misc : 5000  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 03 10:06:26 2011  
Quant Method : C:\msdchem\1\METHODS\VPH110810.M  
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004  
QLast Update : Tue Nov 09 10:03:10 2010  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :





## ANALYTICS SAMPLE RECEIPT CHECKLIST

**analytics** environmental laboratory LLC

AEL LAB#: 68727CLIENT: MCL  
PROJECT: DEP2536

COOLER NUMBER:

NUMBER OF COOLERS:

DATE RECEIVED:

84~~12/23/10~~

d 12/23/10

## A: PRELIMINARY EXAMINATION:

1. Cooler received by (initials): LT

2. Circle one:

 Hand delivered  
(If so, skip 3)

Shipped

Y

 N/A

3. Did cooler come with a shipping slip?

3a. Enter carrier name and airbill number here:

4. Were custody seals on the outside of cooler?

How many &amp; where: \_\_\_\_\_ Seal Date: \_\_\_\_\_

Y

 N

Seal Name: \_\_\_\_\_

5. Did the custody seals arrive unbroken and intact upon arrival?

Y

 N/A6. COC#: N/A

7. Were Custody papers filled out properly (ink, signed, etc.)?

Y

 N

8. Were custody papers sealed in a plastic bag?

Y

 N

9. Did you sign the COC in the appropriate place?

Y

 N

10. Was the project identifiable from the COC papers?

Y

 N

11. Was enough ice used to chill the cooler?

 Y     N

Temp. of cooler:

3-4°

B. Log-In: Date samples were logged in:

12/22/10By: JG

12. Type of packing in cooler (bubble wrap, popcorn)

Y

 N

13. Were all bottles sealed in separate plastic bags?

Y

 N

14. Did all bottles arrive unbroken and were labels in good condition?

Y

 N

15. Were all bottle labels complete (ID, Date, time, etc.)

Y

 N

16. Did all bottle labels agree with custody papers?

Y

 N

17. Were the correct containers used for the tests indicated?

Y

 N

18. Were samples received at the correct pH?

Y

 N/A

19. Was sufficient amount of sample sent for the tests indicated?

Y

 N

20. Were bubbles absent in VOA samples?

Y

 N

If NO, List Sample ID's and Lab #s: \_\_\_\_\_

21. Laboratory labeling verified by (initials): CHDate: 12/23/10





## ANALYTICAL REPORT

|                 |  |
|-----------------|--|
| Lab Number:     | L1020382   |
| Client:         | Maine DEP-Div. of Technical Services<br>Division of Technical Services<br>312 Canco Road<br>Portland, ME 04103 |
| ATTN:           | Peter Eremita  |
| Phone:          | (207) 592-0592   |
| Project Name:   | CHRISTIE'S LEWISTON  |
| Project Number: | Not Specified  |
| Report Date:    | 01/07/11   |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LA000299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

---

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



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

| Alpha<br>Sample ID | Client ID  | Sample<br>Location | Collection<br>Date/Time |
|--------------------|------------|--------------------|-------------------------|
| L1020382-01        | SV-105-11  | LEWISTON, MAINE    | 12/21/10 11:46          |
| L1020382-02        | SV-105-11A | LEWISTON, MAINE    | 12/21/10 11:40          |
| L1020382-03        | SV-105-4   | LEWISTON, MAINE    | 12/21/10 11:11          |
| L1020382-04        | SSV-02     | LEWISTON, MAINE    | 12/21/10 12:57          |
| L1020382-05        | SV-103-4   | LEWISTON, MAINE    | 12/21/10 09:48          |
| L1020382-06        | SSV-01     | LEWISTON, MAINE    | 12/21/10 12:55          |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

### MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

|  |   |     |
|--|---|-----|
| <b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b> |   |     |
| A  | Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? | YES |
| B  | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?  | YES |
| C  | Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?  | YES |
| D  | Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"                      | YES |
| E a.   | VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).   | YES |
| E b.   | APH and TO-15 Methods only: Was the complete analyte list reported for each method?   | YES |
| F  | Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?                                   | YES |

|  |   |     |
|--|---|-----|
| <b>A response to questions G, H and I is required for "Presumptive Certainty" status</b> |   |     |
| G  | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)? | YES |
| H  | Were all QC performance standards specified in the CAM protocol(s) achieved?                              | YES |
| I  | Were results reported for the complete analyte list specified in the selected CAM protocol(s)?            | YES |

**For any questions answered "No", please refer to the case narrative section on the following page(s).**

Please note that sample matrix information is located in the Sample Results section of this report.



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

#### MCP Related Narratives

Canisters were released from the laboratory on November 10 and December 13, 2010.

The canister certification data is provided as an addendum.

#### Volatile Organics in Air

L1020382-01 and -02 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The WG449914-3 LCS recovery for Tetrachloroethene (134%) is outside the 70%-130% acceptance limit.

The LCS was within overall method allowances, therefore the analysis proceeded.

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

### Case Narrative (continued)

#### Fixed Gas

L1020382-01 through -06: Prior to sample analysis, the canisters were pressurized with UHP Hydrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Hydrogen resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

#### Petroleum Hydrocarbons in Air

L1020382-01 and -02 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample. The samples were re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

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

Authorized Signature:

*Kathleen M. O'Brien* Kathleen O'Brien

Title: Technical Director/Representative

Date: 01/07/11

**AIR**



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

**SAMPLE RESULTS**

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1020382-01 D   | Date Collected: | 12/21/10 11:46 |
| Client ID:        | SV-105-11       | Date Received:  | 12/22/10       |
| Sample Location:  | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor      |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 12/30/10 20:27  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV |     | ug/m3 |      | Qualifier | Dilution Factor |
|---|---------|------|-----|-------|------|-----------|-----------------|
|   |         | RL   | MDL | RL    | MDL  |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |      |     |       |      |           |                 |
| Vinyl chloride  | ND      | 2.00 | --  | ND    | 5.11 | --        | 10              |
| 1,1-Dichloroethene  | ND      | 2.00 | --  | ND    | 7.92 | --        | 10              |
| trans-1,2-Dichloroethene                                    | ND      | 2.00 | --  | ND    | 7.92 | --        | 10              |
| 1,1-Dichloroethane  | ND      | 2.00 | --  | ND    | 8.09 | --        | 10              |
| cis-1,2-Dichloroethene                                      | ND      | 2.00 | --  | ND    | 7.92 | --        | 10              |
| 1,2-Dichloroethane  | ND      | 2.00 | --  | ND    | 8.09 | --        | 10              |
| 1,1,1-Trichloroethane                                       | ND      | 2.00 | --  | ND    | 10.9 | --        | 10              |
| Trichloroethene   | ND      | 2.00 | --  | ND    | 10.7 | --        | 10              |
| 1,2-Dibromoethane   | ND      | 2.00 | --  | ND    | 15.4 | --        | 10              |
| Tetrachloroethene   | 5.65    | 2.00 | --  | 38.3  | 13.6 | --        | 10              |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 61         |           | 60-140              |
| Bromochloromethane  | 64         |           | 60-140              |
| chlorobenzene-d5    | 68         |           | 60-140              |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

**SAMPLE RESULTS**

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1020382-02 D   | Date Collected: | 12/21/10 11:40 |
| Client ID:        | SV-105-11A      | Date Received:  | 12/22/10       |
| Sample Location:  | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor      |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 12/30/10 21:00  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV |     | ug/m3 |      | Qualifier | Dilution Factor |
|---|---------|------|-----|-------|------|-----------|-----------------|
|   |         | RL   | MDL | RL    | MDL  |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |      |     |       |      |           |                 |
| Vinyl chloride  | ND      | 2.00 | --  | ND    | 5.11 | --        | 10              |
| 1,1-Dichloroethene  | ND      | 2.00 | --  | ND    | 7.92 | --        | 10              |
| trans-1,2-Dichloroethene                                    | ND      | 2.00 | --  | ND    | 7.92 | --        | 10              |
| 1,1-Dichloroethane  | ND      | 2.00 | --  | ND    | 8.09 | --        | 10              |
| cis-1,2-Dichloroethene                                      | ND      | 2.00 | --  | ND    | 7.92 | --        | 10              |
| 1,2-Dichloroethane  | ND      | 2.00 | --  | ND    | 8.09 | --        | 10              |
| 1,1,1-Trichloroethane                                       | ND      | 2.00 | --  | ND    | 10.9 | --        | 10              |
| Trichloroethene   | ND      | 2.00 | --  | ND    | 10.7 | --        | 10              |
| 1,2-Dibromoethane   | ND      | 2.00 | --  | ND    | 15.4 | --        | 10              |
| Tetrachloroethene   | 4.27    | 2.00 | --  | 28.9  | 13.6 | --        | 10              |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 69         |           | 60-140              |
| Bromochloromethane  | 73         |           | 60-140              |
| chlorobenzene-d5    | 72         |           | 60-140              |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

**SAMPLE RESULTS**

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1020382-03     | Date Collected: | 12/21/10 11:11 |
| Client ID:        | SV-105-4        | Date Received:  | 12/22/10       |
| Sample Location:  | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor      |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 12/30/10 21:34  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND    | 1.07  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Tetrachloroethene   | 2.15    | 0.200 | --  | 14.6  | 1.36  | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 72         |           | 60-140              |
| Bromochloromethane  | 75         |           | 60-140              |
| chlorobenzene-d5    | 76         |           | 60-140              |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

**SAMPLE RESULTS**

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1020382-04     | Date Collected: | 12/21/10 12:57 |
| Client ID:        | SSV-02          | Date Received:  | 12/22/10       |
| Sample Location:  | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor      |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 12/30/10 22:07  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND    | 1.07  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Tetrachloroethene   | 0.797   | 0.200 | --  | 5.40  | 1.36  | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 72         |           | 60-140              |
| Bromochloromethane  | 75         |           | 60-140              |
| chlorobenzene-d5    | 75         |           | 60-140              |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

**SAMPLE RESULTS**

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1020382-05     | Date Collected: | 12/21/10 09:48 |
| Client ID:        | SV-103-4        | Date Received:  | 12/22/10       |
| Sample Location:  | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor      |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 12/30/10 22:41  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND    | 1.07  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Tetrachloroethene   | 5.94    | 0.200 | --  | 40.3  | 1.36  | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 75         |           | 60-140              |
| Bromochloromethane  | 78         |           | 60-140              |
| chlorobenzene-d5    | 76         |           | 60-140              |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

**SAMPLE RESULTS**

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1020382-06     | Date Collected: | 12/21/10 12:55 |
| Client ID:        | SSV-01          | Date Received:  | 12/22/10       |
| Sample Location:  | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor      |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 12/30/10 23:15  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND    | 1.07  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Tetrachloroethene   | 2.06    | 0.200 | --  | 14.0  | 1.36  | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 69         |           | 60-140              |
| Bromochloromethane  | 73         |           | 60-140              |
| chlorobenzene-d5    | 73         |           | 60-140              |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 48,TO-15  
Analytical Date: 12/30/10 13:05

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-06 Batch: WG449914-4 |         |       |     |         |       |     |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND      | 0.511 | --  | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| trans-1,2-Dichloroethene  | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  | 1               |
| cis-1,2-Dichloroethene  | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  | 1               |
| 1,1,1-Trichloroethane   | ND      | 0.200 | --  | ND      | 1.09  | --  | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND      | 1.07  | --  | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND      | 1.54  | --  | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND      | 1.36  | --  | 1               |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-06 Batch: WG449914-3 |                  |      |                   |      |                     |     |      |            |
| Vinyl chloride   | 72               |      | -                 |      | 70-130              | -   |      |            |
| 1,1-Dichloroethene   | 84               |      | -                 |      | 70-130              | -   |      |            |
| trans-1,2-Dichloroethene   | 83               |      | -                 |      | 70-130              | -   |      |            |
| 1,1-Dichloroethane   | 80               |      | -                 |      | 70-130              | -   |      |            |
| cis-1,2-Dichloroethene   | 85               |      | -                 |      | 70-130              | -   |      |            |
| 1,2-Dichloroethane   | 94               |      | -                 |      | 70-130              | -   |      |            |
| 1,1,1-Trichloroethane  | 102              |      | -                 |      | 70-130              | -   |      |            |
| Trichloroethene  | 105              |      | -                 |      | 70-130              | -   |      |            |
| 1,2-Dibromoethane  | 90               |      | -                 |      | 70-130              | -   |      |            |
| Tetrachloroethene  | 134              | Q    | -                 |      | 70-130              | -   |      |            |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG449914-5 QC Sample: L1020384-05 Client ID: DUP Sample |               |                  |       |     |      |            |
| Vinyl chloride  | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,1-Dichloroethene  | ND            | ND               | ppbV  | NC  |      | 25         |
| trans-1,2-Dichloroethene  | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,1-Dichloroethane  | ND            | ND               | ppbV  | NC  |      | 25         |
| cis-1,2-Dichloroethene  | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,2-Dichloroethane  | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,1,1-Trichloroethane   | ND            | ND               | ppbV  | NC  |      | 25         |
| Trichloroethene   | 0.208         | 0.228            | ppbV  | 9   |      | 25         |
| 1,2-Dibromoethane   | ND            | ND               | ppbV  | NC  |      | 25         |
| Tetrachloroethene   | 1.20          | 1.32             | ppbV  | 10  |      | 25         |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

## SAMPLE RESULTS

|                    |                 |   |                    |                |
|--------------------|-----------------|---|--------------------|----------------|
| Lab ID:            | L1020382-01     | D | Date Collected:    | 12/21/10 11:46 |
| Client ID:         | SV-105-11       |   | Date Received:     | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor      |   | Extraction Method: |                |
| Analytical Method: | 51,3C           |   |                    |                |
| Analytical Date:   | 01/06/11 19:18  |   |                    |                |
| Analyst:           | RY              |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 17.4   |           | %     | 1.39  | --  | 1.393           |
| Carbon Dioxide                           | 1.24   |           | %     | 0.139 | --  | 1.393           |
| Methane                                  | ND     |           | %     | 0.139 | --  | 1.393           |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

## SAMPLE RESULTS

|                    |                 |   |                    |                |
|--------------------|-----------------|---|--------------------|----------------|
| Lab ID:            | L1020382-02     | D | Date Collected:    | 12/21/10 11:40 |
| Client ID:         | SV-105-11A      |   | Date Received:     | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor      |   | Extraction Method: |                |
| Analytical Method: | 51,3C           |   |                    |                |
| Analytical Date:   | 01/06/11 19:58  |   |                    |                |
| Analyst:           | RY              |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 18.5   |           | %     | 1.45  | --  | 1.446           |
| Carbon Dioxide                           | 1.27   |           | %     | 0.145 | --  | 1.446           |
| Methane                                  | ND     |           | %     | 0.145 | --  | 1.446           |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

## SAMPLE RESULTS

|                    |                 |   |                    |                |
|--------------------|-----------------|---|--------------------|----------------|
| Lab ID:            | L1020382-03     | D | Date Collected:    | 12/21/10 11:11 |
| Client ID:         | SV-105-4        |   | Date Received:     | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor      |   | Extraction Method: |                |
| Analytical Method: | 51,3C           |   |                    |                |
| Analytical Date:   | 01/06/11 20:37  |   |                    |                |
| Analyst:           | RY              |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 19.0   |           | %     | 1.46  | --  | 1.458           |
| Carbon Dioxide                           | 0.739  |           | %     | 0.146 | --  | 1.458           |
| Methane                                  | ND     |           | %     | 0.146 | --  | 1.458           |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

## SAMPLE RESULTS

|                    |                 |   |                    |                |
|--------------------|-----------------|---|--------------------|----------------|
| Lab ID:            | L1020382-04     | D | Date Collected:    | 12/21/10 12:57 |
| Client ID:         | SSV-02          |   | Date Received:     | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor      |   | Extraction Method: |                |
| Analytical Method: | 51,3C           |   |                    |                |
| Analytical Date:   | 01/06/11 21:17  |   |                    |                |
| Analyst:           | RY              |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 18.3   |           | %     | 1.76  | --  | 1.765           |
| Carbon Dioxide                           | 0.919  |           | %     | 0.176 | --  | 1.765           |
| Methane                                  | ND     |           | %     | 0.176 | --  | 1.765           |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

## SAMPLE RESULTS

|                    |                 |   |                    |                |
|--------------------|-----------------|---|--------------------|----------------|
| Lab ID:            | L1020382-05     | D | Date Collected:    | 12/21/10 09:48 |
| Client ID:         | SV-103-4        |   | Date Received:     | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor      |   | Extraction Method: |                |
| Analytical Method: | 51,3C           |   |                    |                |
| Analytical Date:   | 01/06/11 21:57  |   |                    |                |
| Analyst:           | RY              |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 19.3   |           | %     | 1.56  | --  | 1.555           |
| Carbon Dioxide                           | 0.373  |           | %     | 0.156 | --  | 1.555           |
| Methane                                  | ND     |           | %     | 0.156 | --  | 1.555           |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

## SAMPLE RESULTS

|                    |                 |   |                    |                |
|--------------------|-----------------|---|--------------------|----------------|
| Lab ID:            | L1020382-06     | D | Date Collected:    | 12/21/10 12:55 |
| Client ID:         | SSV-01          |   | Date Received:     | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor      |   | Extraction Method: |                |
| Analytical Method: | 51,3C           |   |                    |                |
| Analytical Date:   | 01/06/11 22:36  |   |                    |                |
| Analyst:           | RY              |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 18.3   |           | %     | 1.69  | --  | 1.693           |
| Carbon Dioxide                           | 0.686  |           | %     | 0.169 | --  | 1.693           |
| Methane                                  | ND     |           | %     | 0.169 | --  | 1.693           |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 51,3C  
Analytical Date: 01/06/11 18:58  
Analyst: RY

| Parameter  | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Fixed Gases by GC - Mansfield Lab for sample(s): 01-06 Batch: WG450576-2 |        |           |       |    |     |
| Oxygen   | ND     | %         | 1.00  | -- |     |
| Carbon Dioxide   | ND     | %         | 0.100 | -- |     |
| Methane  | ND     | %         | 0.100 | -- |     |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 Batch: WG450576-1 |                  |      |                   |      |                     |     |      |            |
| Oxygen  | 90               |      | -                 |      | 80-120              | -   |      |            |
| Carbon Dioxide  | 102              |      | -                 |      | 80-120              | -   |      |            |
| Methane   | 104              |      | -                 |      | 80-120              | -   |      |            |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG450576-10 QC Sample: L1020384-02 Client ID: DUP Sample |               |                  |       |     |      |            |
| Oxygen  | 19.2          | 19.1             | %     | 1   |      | 5          |
| Carbon Dioxide  | ND            | ND               | %     | NC  |      | 5          |
| Methane   | ND            | ND               | %     | NC  |      | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG450576-11 QC Sample: L1020384-03 Client ID: DUP Sample |               |                  |       |     |      |            |
| Oxygen  | 19.2          | 19.1             | %     | 1   |      | 5          |
| Carbon Dioxide  | 0.446         | 0.444            | %     | 0   |      | 5          |
| Methane   | ND            | ND               | %     | NC  |      | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG450576-12 QC Sample: L1020384-04 Client ID: DUP Sample |               |                  |       |     |      |            |
| Oxygen  | 19.2          | 19.2             | %     | 0   |      | 5          |
| Carbon Dioxide  | 0.443         | 0.443            | %     | 0   |      | 5          |
| Methane   | ND            | ND               | %     | NC  |      | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG450576-13 QC Sample: L1020384-05 Client ID: DUP Sample |               |                  |       |     |      |            |
| Oxygen  | 19.5          | 19.6             | %     | 1   |      | 5          |
| Carbon Dioxide  | ND            | ND               | %     | NC  |      | 5          |
| Methane   | ND            | ND               | %     | NC  |      | 5          |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|--|---------------|------------------|-------|-----|------------|
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG450576-3 QC Sample: L1020382-01 Client ID: SV-105-11  |               |                  |       |     |            |
| Oxygen   | 17.4          | 18.3             | %     | 5   | 5          |
| Carbon Dioxide   | 1.24          | 1.25             | %     | 1   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG450576-4 QC Sample: L1020382-02 Client ID: SV-105-11A |               |                  |       |     |            |
| Oxygen   | 18.5          | 18.2             | %     | 2   | 5          |
| Carbon Dioxide   | 1.27          | 1.27             | %     | 0   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG450576-5 QC Sample: L1020382-03 Client ID: SV-105-4   |               |                  |       |     |            |
| Oxygen   | 19.0          | 19.0             | %     | 0   | 5          |
| Carbon Dioxide   | 0.739         | 0.739            | %     | 0   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG450576-6 QC Sample: L1020382-04 Client ID: SSV-02     |               |                  |       |     |            |
| Oxygen   | 18.3          | 18.1             | %     | 1   | 5          |
| Carbon Dioxide   | 0.919         | 0.923            | %     | 0   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|--|---------------|------------------|-------|-----|------------|
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG450576-7 QC Sample: L1020382-05 Client ID: SV-103-4   |               |                  |       |     |            |
| Oxygen   | 19.3          | 19.3             | %     | 0   | 5          |
| Carbon Dioxide   | 0.373         | 0.373            | %     | 0   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG450576-8 QC Sample: L1020382-06 Client ID: SSV-01     |               |                  |       |     |            |
| Oxygen   | 18.3          | 18.3             | %     | 0   | 5          |
| Carbon Dioxide   | 0.686         | 0.684            | %     | 0   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG450576-9 QC Sample: L1020384-01 Client ID: DUP Sample |               |                  |       |     |            |
| Oxygen   | 18.3          | 19.0             | %     | 4   | 5          |
| Carbon Dioxide   | ND            | ND               | %     | NC  | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

### SAMPLE RESULTS

|                    |                 |    |                 |                |
|--------------------|-----------------|----|-----------------|----------------|
| Lab ID:            | L1020382-01     | D2 | Date Collected: | 12/21/10 11:46 |
| Client ID:         | SV-105-11       |    | Date Received:  | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |    | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor      |    |                 |                |
| Analytical Method: | 96,APH          |    |                 |                |
| Analytical Date:   | 01/04/11 08:17  |    |                 |                |
| Analyst:           | RY              |    |                 |                |

### Quality Control Information

|   |                      |
|---|----------------------|
| Sample Type:  | 30 Minute Composite  |
| Sample Container Type:  | Canister - 2.7 Liter |
| Sampling Flow Controller:   | Mechanical           |
| Sampling Zone:  | Unknown              |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%                |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                  |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                  |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                   |

| Parameter  | Result     | Qualifier | Units               | RL  | MDL | Dilution Factor |
|--|------------|-----------|---------------------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |            |           |                     |     |     |                 |
| Methyl tert butyl ether                              | 7400       |           | ug/m3               | 280 | --  | 140             |
| Internal Standard                                    | % Recovery | Qualifier | Acceptance Criteria |     |     |                 |
| 1,4-Difluorobenzene                                  | 122        |           | 50-200              |     |     |                 |
| Bromochloromethane                                   | 121        |           | 50-200              |     |     |                 |
| Chlorobenzene-d5                                     | 119        |           | 50-200              |     |     |                 |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

### SAMPLE RESULTS

|                    |                 |   |                 |                |
|--------------------|-----------------|---|-----------------|----------------|
| Lab ID:            | L1020382-01     | D | Date Collected: | 12/21/10 11:46 |
| Client ID:         | SV-105-11       |   | Date Received:  | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor      |   |                 |                |
| Analytical Method: | 96,APH          |   |                 |                |
| Analytical Date:   | 12/30/10 20:27  |   |                 |                |
| Analyst:           | RY              |   |                 |                |

### Quality Control Information

|   |                      |
|---|----------------------|
| Sample Type:  | 30 Minute Composite  |
| Sample Container Type:  | Canister - 2.7 Liter |
| Sampling Flow Controller:   | Mechanical           |
| Sampling Zone:  | Unknown              |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%                |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                  |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                  |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                   |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 20  | --  | 10              |
| Methyl tert butyl ether                              | 8400   | E         | ug/m3 | 20  | --  | 10              |
| Benzene  | 1500   |           | ug/m3 | 20  | --  | 10              |
| Toluene  | ND     |           | ug/m3 | 20  | --  | 10              |
| C5-C8 Aliphatics, Adjusted                           | 2200   |           | ug/m3 | 120 | --  | 10              |
| Ethylbenzene   | 93     |           | ug/m3 | 20  | --  | 10              |
| p/m-Xylene   | 130    |           | ug/m3 | 40  | --  | 10              |
| o-Xylene   | ND     |           | ug/m3 | 20  | --  | 10              |
| Naphthalene  | 35     |           | ug/m3 | 20  | --  | 10              |
| C9-C12 Aliphatics, Adjusted                          | 4300   |           | ug/m3 | 140 | --  | 10              |
| C9-C10 Aromatics Total                               | 5000   |           | ug/m3 | 100 | --  | 10              |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 60         |           | 50-200              |
| Bromochloromethane  | 63         |           | 50-200              |
| Chlorobenzene-d5    | 68         |           | 50-200              |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

### SAMPLE RESULTS

|                    |                 |    |                 |                |
|--------------------|-----------------|----|-----------------|----------------|
| Lab ID:            | L1020382-02     | D2 | Date Collected: | 12/21/10 11:40 |
| Client ID:         | SV-105-11A      |    | Date Received:  | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |    | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor      |    |                 |                |
| Analytical Method: | 96,APH          |    |                 |                |
| Analytical Date:   | 01/04/11 08:52  |    |                 |                |
| Analyst:           | RY              |    |                 |                |

### Quality Control Information

|   |                      |
|---|----------------------|
| Sample Type:  | 30 Minute Composite  |
| Sample Container Type:  | Canister - 2.7 Liter |
| Sampling Flow Controller:   | Mechanical           |
| Sampling Zone:  | Unknown              |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%                |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                  |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                  |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                   |

| Parameter  | Result     | Qualifier | Units               | RL  | MDL | Dilution Factor |
|--|------------|-----------|---------------------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |            |           |                     |     |     |                 |
| Methyl tert butyl ether                              | 7300       |           | ug/m3               | 190 | --  | 93              |
| Internal Standard                                    | % Recovery | Qualifier | Acceptance Criteria |     |     |                 |
| 1,4-Difluorobenzene                                  | 118        |           | 50-200              |     |     |                 |
| Bromochloromethane                                   | 120        |           | 50-200              |     |     |                 |
| Chlorobenzene-d5                                     | 116        |           | 50-200              |     |     |                 |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

### SAMPLE RESULTS

|                    |                 |   |                 |                |
|--------------------|-----------------|---|-----------------|----------------|
| Lab ID:            | L1020382-02     | D | Date Collected: | 12/21/10 11:40 |
| Client ID:         | SV-105-11A      |   | Date Received:  | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |   | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor      |   |                 |                |
| Analytical Method: | 96,APH          |   |                 |                |
| Analytical Date:   | 12/30/10 21:00  |   |                 |                |
| Analyst:           | RY              |   |                 |                |

### Quality Control Information

|   |                      |
|---|----------------------|
| Sample Type:  | 30 Minute Composite  |
| Sample Container Type:  | Canister - 2.7 Liter |
| Sampling Flow Controller:   | Mechanical           |
| Sampling Zone:  | Unknown              |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%                |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                  |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                  |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                   |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 20  | --  | 10              |
| Methyl tert butyl ether                              | 6200   | E         | ug/m3 | 20  | --  | 10              |
| Benzene  | 1100   |           | ug/m3 | 20  | --  | 10              |
| Toluene  | ND     |           | ug/m3 | 20  | --  | 10              |
| C5-C8 Aliphatics, Adjusted                           | 2000   |           | ug/m3 | 120 | --  | 10              |
| Ethylbenzene   | 67     |           | ug/m3 | 20  | --  | 10              |
| p/m-Xylene   | 93     |           | ug/m3 | 40  | --  | 10              |
| o-Xylene   | ND     |           | ug/m3 | 20  | --  | 10              |
| Naphthalene  | 34     |           | ug/m3 | 20  | --  | 10              |
| C9-C12 Aliphatics, Adjusted                          | 3800   |           | ug/m3 | 140 | --  | 10              |
| C9-C10 Aromatics Total                               | 4700   |           | ug/m3 | 100 | --  | 10              |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 68         |           | 50-200              |
| Bromoform           | 71         |           | 50-200              |
| Chlorobenzene-d5    | 70         |           | 50-200              |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

### SAMPLE RESULTS

|                    |                 |                 |                |
|--------------------|-----------------|-----------------|----------------|
| Lab ID:            | L1020382-03     | Date Collected: | 12/21/10 11:11 |
| Client ID:         | SV-105-4        | Date Received:  | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor      |                 |                |
| Analytical Method: | 96,APH          |                 |                |
| Analytical Date:   | 12/30/10 21:34  |                 |                |
| Analyst:           | RY              |                 |                |

### Quality Control Information

|   |                      |
|---|----------------------|
| Sample Type:  | 30 Minute Composite  |
| Sample Container Type:  | Canister - 2.7 Liter |
| Sampling Flow Controller:   | Mechanical           |
| Sampling Zone:  | Unknown              |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%                |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                  |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                  |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                   |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 35     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 70         |           | 50-200              |
| Bromoform           | 75         |           | 50-200              |
| Chlorobenzene-d5    | 75         |           | 50-200              |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

### SAMPLE RESULTS

|                    |                 |                 |                |
|--------------------|-----------------|-----------------|----------------|
| Lab ID:            | L1020382-04     | Date Collected: | 12/21/10 12:57 |
| Client ID:         | SSV-02          | Date Received:  | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor      |                 |                |
| Analytical Method: | 96,APH          |                 |                |
| Analytical Date:   | 12/30/10 22:07  |                 |                |
| Analyst:           | RY              |                 |                |

### Quality Control Information

|   |                      |
|---|----------------------|
| Sample Type:  | 30 Minute Composite  |
| Sample Container Type:  | Canister - 2.7 Liter |
| Sampling Flow Controller:   | Mechanical           |
| Sampling Zone:  | Unknown              |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%                |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                  |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                  |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                   |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 53     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 71         |           | 50-200              |
| Bromoform           | 76         |           | 50-200              |
| Chlorobenzene-d5    | 74         |           | 50-200              |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

### SAMPLE RESULTS

|                    |                 |                 |                |
|--------------------|-----------------|-----------------|----------------|
| Lab ID:            | L1020382-05     | Date Collected: | 12/21/10 09:48 |
| Client ID:         | SV-103-4        | Date Received:  | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor      |                 |                |
| Analytical Method: | 96,APH          |                 |                |
| Analytical Date:   | 12/30/10 22:41  |                 |                |
| Analyst:           | RY              |                 |                |

### Quality Control Information

|   |                      |
|---|----------------------|
| Sample Type:  | 30 Minute Composite  |
| Sample Container Type:  | Canister - 2.7 Liter |
| Sampling Flow Controller:   | Mechanical           |
| Sampling Zone:  | Unknown              |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%                |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                  |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                  |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                   |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 38     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 74         |           | 50-200              |
| Bromoform           | 78         |           | 50-200              |
| Chlorobenzene-d5    | 75         |           | 50-200              |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

### SAMPLE RESULTS

|                    |                 |                 |                |
|--------------------|-----------------|-----------------|----------------|
| Lab ID:            | L1020382-06     | Date Collected: | 12/21/10 12:55 |
| Client ID:         | SSV-01          | Date Received:  | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor      |                 |                |
| Analytical Method: | 96,APH          |                 |                |
| Analytical Date:   | 12/30/10 23:15  |                 |                |
| Analyst:           | RY              |                 |                |

### Quality Control Information

|   |                      |
|---|----------------------|
| Sample Type:  | 30 Minute Composite  |
| Sample Container Type:  | Canister - 2.7 Liter |
| Sampling Flow Controller:   | Mechanical           |
| Sampling Zone:  | Unknown              |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%                |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                  |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                  |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                   |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 36     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 68         |           | 50-200              |
| Bromochloromethane  | 75         |           | 50-200              |
| Chlorobenzene-d5    | 71         |           | 50-200              |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 96,APH  
Analytical Date: 12/30/10 13:05  
Analyst: RY

| Parameter  | Result | Qualifier | Units      | RL  | MDL |
|--|--------|-----------|------------|-----|-----|
| Petroleum Hydrocarbons in Air - Mansfield Lab for sample(s): | 01-06  | Batch:    | WG449913-4 |     |     |
| 1,3-Butadiene  | ND     |           | ug/m3      | 2.0 | --  |
| Methyl tert butyl ether                                      | ND     |           | ug/m3      | 2.0 | --  |
| Benzene  | ND     |           | ug/m3      | 2.0 | --  |
| Toluene  | ND     |           | ug/m3      | 2.0 | --  |
| C5-C8 Aliphatics, Adjusted                                   | ND     |           | ug/m3      | 12  | --  |
| Ethylbenzene   | ND     |           | ug/m3      | 2.0 | --  |
| p/m-Xylene   | ND     |           | ug/m3      | 4.0 | --  |
| o-Xylene   | ND     |           | ug/m3      | 2.0 | --  |
| Naphthalene  | ND     |           | ug/m3      | 2.0 | --  |
| C9-C12 Aliphatics, Adjusted                                  | ND     |           | ug/m3      | 14  | --  |
| C9-C10 Aromatics Total                                       | ND     |           | ug/m3      | 10  | --  |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 96,APH  
Analytical Date: 01/03/11 14:28  
Analyst: RY

| Parameter  | Result | Qualifier | Units      | RL  | MDL |
|--|--------|-----------|------------|-----|-----|
| Petroleum Hydrocarbons in Air - Mansfield Lab for sample(s): | 01-02  | Batch:    | WG449913-9 |     |     |
| 1,3-Butadiene  | ND     |           | ug/m3      | 2.0 | --  |
| Methyl tert butyl ether                                      | ND     |           | ug/m3      | 2.0 | --  |
| Benzene  | ND     |           | ug/m3      | 2.0 | --  |
| Toluene  | ND     |           | ug/m3      | 2.0 | --  |
| C5-C8 Aliphatics, Adjusted                                   | ND     |           | ug/m3      | 12  | --  |
| Ethylbenzene   | ND     |           | ug/m3      | 2.0 | --  |
| p/m-Xylene   | ND     |           | ug/m3      | 4.0 | --  |
| o-Xylene   | ND     |           | ug/m3      | 2.0 | --  |
| Naphthalene  | ND     |           | ug/m3      | 2.0 | --  |
| C9-C12 Aliphatics, Adjusted                                  | ND     |           | ug/m3      | 14  | --  |
| C9-C10 Aromatics Total                                       | ND     |           | ug/m3      | 10  | --  |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG449913-3 |                  |      |                   |      |                     |     |      |            |
| 1,3-Butadiene   | 90               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Methyl tert butyl ether   | 92               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Benzene   | 96               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Toluene   | 99               | -    | -                 | -    | 70-130              | -   | -    | -          |
| C5-C8 Aliphatics, Adjusted  | 93               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Ethylbenzene  | 100              | -    | -                 | -    | 70-130              | -   | -    | -          |
| p/m-Xylene  | 100              | -    | -                 | -    | 70-130              | -   | -    | -          |
| o-Xylene  | 100              | -    | -                 | -    | 70-130              | -   | -    | -          |
| Naphthalene   | 138              | -    | -                 | -    | 50-150              | -   | -    | -          |
| C9-C12 Aliphatics, Adjusted   | 116              | -    | -                 | -    | 70-130              | -   | -    | -          |
| C9-C10 Aromatics Total  | 90               | -    | -                 | -    | 70-130              | -   | -    | -          |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG449913-8 |                  |      |                   |      |                     |     |      |            |
| 1,3-Butadiene   | 96               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Methyl tert butyl ether   | 94               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Benzene   | 94               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Toluene   | 96               | -    | -                 | -    | 70-130              | -   | -    | -          |
| C5-C8 Aliphatics, Adjusted  | 92               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Ethylbenzene  | 96               | -    | -                 | -    | 70-130              | -   | -    | -          |
| p/m-Xylene  | 96               | -    | -                 | -    | 70-130              | -   | -    | -          |
| o-Xylene  | 98               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Naphthalene   | 84               | -    | -                 | -    | 50-150              | -   | -    | -          |
| C9-C12 Aliphatics, Adjusted   | 94               | -    | -                 | -    | 70-130              | -   | -    | -          |
| C9-C10 Aromatics Total  | 80               | -    | -                 | -    | 70-130              | -   | -    | -          |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG449913-5 QC Sample: L1020384-05 Client ID: DUP Sample |               |                  |       |     |      |            |
| 1,3-Butadiene  | ND            | ND               | ug/m3 | NC  |      | 30         |
| Methyl tert butyl ether  | ND            | ND               | ug/m3 | NC  |      | 30         |
| Benzene  | ND            | ND               | ug/m3 | NC  |      | 30         |
| Toluene  | ND            | ND               | ug/m3 | NC  |      | 30         |
| C5-C8 Aliphatics, Adjusted   | 27            | 16               | ug/m3 | 51  | Q    | 30         |
| Ethylbenzene   | ND            | ND               | ug/m3 | NC  |      | 30         |
| p/m-Xylene   | ND            | ND               | ug/m3 | NC  |      | 30         |
| o-Xylene   | ND            | ND               | ug/m3 | NC  |      | 30         |
| Naphthalene  | ND            | ND               | ug/m3 | NC  |      | 30         |
| C9-C12 Aliphatics, Adjusted  | ND            | ND               | ug/m3 | NC  |      | 30         |
| C9-C10 Aromatics Total   | ND            | ND               | ug/m3 | NC  |      | 30         |

**Project Name:** CHRISTIE'S LEWISTON

Serial\_No:01071116:07

**Project Number:**

**Lab Number:** L1020382

**Report Date:** 01/07/11

### Canister and Flow Controller Information

| Samplenum   | Client ID  | Media ID | Media Type | Cleaning Batch ID | Initial Pressure (in. Hg) | Pressure on Receipt (in. Hg) | Flow Out mL/min | Flow In mL/min | % RSD |
|-------------|------------|----------|------------|-------------------|---------------------------|------------------------------|-----------------|----------------|-------|
| L1020382-01 | SV-105-11  | 0077     | #30 AMB    |                   | -                         | -                            | 68              | 65             | 5     |
| L1020382-01 | SV-105-11  | 476      | 2.7L Can   | L1019640          | -28.5                     | 2.4                          | -               | -              | -     |
| L1020382-02 | SV-105-11A | 0407     | #30 SV     |                   | -                         | -                            | 72              | 80             | 11    |
| L1020382-02 | SV-105-11A | 549      | 2.7L Can   | L1019640          | -28.5                     | 0.9                          | -               | -              | -     |
| L1020382-03 | SV-105-4   | 0272     | #90 SV     |                   | -                         | -                            | 72              | 80             | 11    |
| L1020382-03 | SV-105-4   | 158      | 2.7L Can   | L1019640          | -28.5                     | 0.9                          | -               | -              | -     |
| L1020382-04 | SSV-02     | 0297     | #90 SV     |                   | -                         | -                            | 72              | 76             | 5     |
| L1020382-04 | SSV-02     | 202      | 2.7L Can   | L1019640          | -28.5                     | -1.1                         | -               | -              | -     |
| L1020382-05 | SV-103-4   | 0343     | #90 SV     |                   | -                         | -                            | 68              | 66             | 3     |
| L1020382-05 | SV-103-4   | 421      | 2.7L Can   | I1017587          | -29.6                     | 2.4                          | -               | -              | -     |
| L1020382-06 | SSV-01     | 0211     | #30 AMB    |                   | -                         | -                            | 68              | 70             | 3     |
| L1020382-06 | SSV-01     | 561      | 2.7L Can   | L1019640          | -28.0                     | 0.1                          | -               | -              | -     |



# **Air Volatiles Can Certification**

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1017587  
**Report Date:** 01/07/11

### Air Canister Certification Results

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1017587-01     | Date Collected: | 11/04/10 00:00 |
| Client ID:        | CAN 207 SHELF 4 | Date Received:  | 11/04/10       |
| Sample Location:  |                 | Field Prep:     | Not Specified  |
| Matrix:           | Air             |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 11/05/10 18:02  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Chlorodifluoromethane                                       | ND      | 0.200 | --  | ND    | 0.707 | --        | 1               |
| Propylene   | ND      | 0.200 | --  | ND    | 0.344 | --        | 1               |
| Propane   | ND      | 0.200 | --  | ND    | 0.606 | --        | 1               |
| Dichlorodifluoromethane                                     | ND      | 0.200 | --  | ND    | 0.988 | --        | 1               |
| Chloromethane   | ND      | 0.200 | --  | ND    | 0.413 | --        | 1               |
| Freon-114   | ND      | 0.200 | --  | ND    | 1.40  | --        | 1               |
| Methanol  | ND      | 5.00  | --  | ND    | 6.55  | --        | 1               |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,3-Butadiene   | ND      | 0.200 | --  | ND    | 0.442 | --        | 1               |
| Butane  | ND      | 0.200 | --  | ND    | 0.475 | --        | 1               |
| Bromomethane  | ND      | 0.200 | --  | ND    | 0.776 | --        | 1               |
| Chloroethane  | ND      | 0.200 | --  | ND    | 0.527 | --        | 1               |
| Ethanol   | ND      | 2.50  | --  | ND    | 4.71  | --        | 1               |
| Dichlorofluoromethane                                       | ND      | 0.200 | --  | ND    | 0.841 | --        | 1               |
| Vinyl bromide   | ND      | 0.200 | --  | ND    | 0.874 | --        | 1               |
| Acrolein  | ND      | 0.500 | --  | ND    | 1.14  | --        | 1               |
| Acetone   | ND      | 1.00  | --  | ND    | 2.37  | --        | 1               |
| Acetonitrile  | ND      | 0.200 | --  | ND    | 0.336 | --        | 1               |
| Trichlorofluoromethane                                      | ND      | 0.200 | --  | ND    | 1.12  | --        | 1               |
| Isopropanol   | ND      | 0.500 | --  | ND    | 1.23  | --        | 1               |
| Acrylonitrile   | ND      | 0.200 | --  | ND    | 0.434 | --        | 1               |
| Pentane   | ND      | 0.200 | --  | ND    | 0.590 | --        | 1               |
| Ethyl ether   | ND      | 0.200 | --  | ND    | 0.606 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| Tertiary butyl Alcohol                                      | ND      | 0.500 | --  | ND    | 1.52  | --        | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1017587**Project Number:** CANISTER QC BAT**Report Date:** 01/07/11**Air Canister Certification Results**

Lab ID: L1017587-01 Date Collected: 11/04/10 00:00  
 Client ID: CAN 207 SHELF 4 Date Received: 11/04/10  
 Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Methylene chloride  | ND      | 1.00  | --  | ND      | 3.47  | --  |           | 1               |
| 3-Chloropropene   | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide  | ND      | 0.200 | --  | ND      | 0.622 | --  |           | 1               |
| Freon-113   | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND      | 0.792 | --  |           | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                                     | ND      | 0.200 | --  | ND      | 0.720 | --  |           | 1               |
| Vinyl acetate   | ND      | 0.200 | --  | ND      | 0.704 | --  |           | 1               |
| 2-Butanone  | ND      | 0.200 | --  | ND      | 0.589 | --  |           | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND      | 0.792 | --  |           | 1               |
| Ethyl Acetate   | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform  | ND      | 0.200 | --  | ND      | 0.976 | --  |           | 1               |
| Tetrahydrofuran   | ND      | 0.200 | --  | ND      | 0.589 | --  |           | 1               |
| 2,2-Dichloropropane   | ND      | 0.200 | --  | ND      | 0.923 | --  |           | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane  | ND      | 0.200 | --  | ND      | 0.704 | --  |           | 1               |
| Diisopropyl ether   | ND      | 0.200 | --  | ND      | 0.835 | --  |           | 1               |
| tert-Butyl Ethyl Ether                                      | ND      | 0.200 | --  | ND      | 0.835 | --  |           | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| 1,1-Dichloropropene   | ND      | 0.200 | --  | ND      | 0.907 | --  |           | 1               |
| Benzene   | ND      | 0.200 | --  | ND      | 0.638 | --  |           | 1               |
| Carbon tetrachloride  | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane   | ND      | 0.200 | --  | ND      | 0.688 | --  |           | 1               |
| tert-Amyl Methyl Ether                                      | ND      | 0.200 | --  | ND      | 0.835 | --  |           | 1               |
| Dibromomethane  | ND      | 0.200 | --  | ND      | 1.42  | --  |           | 1               |
| 1,2-Dichloropropane   | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| Bromodichloromethane  | ND      | 0.200 | --  | ND      | 1.34  | --  |           | 1               |
| 1,4-Dioxane   | ND      | 0.200 | --  | ND      | 0.720 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1017587**Project Number:** CANISTER QC BAT**Report Date:** 01/07/11**Air Canister Certification Results**

Lab ID: L1017587-01 Date Collected: 11/04/10 00:00  
 Client ID: CAN 207 SHELF 4 Date Received: 11/04/10  
 Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Trichloroethene   | ND      | 0.200 | --  | ND      | 1.07  | --  |           | 1               |
| 2,2,4-Trimethylpentane                                      | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Heptane   | ND      | 0.200 | --  | ND      | 0.819 | --  |           | 1               |
| 2,4,4-trimethyl-1-pentene                                   | ND      | 0.500 | --  | ND      | 2.29  | --  |           | 1               |
| cis-1,3-Dichloropropene                                     | ND      | 0.200 | --  | ND      | 0.907 | --  |           | 1               |
| 4-Methyl-2-pentanone  | ND      | 0.200 | --  | ND      | 0.819 | --  |           | 1               |
| 2,4,4-trimethyl-2-pentene                                   | ND      | 0.500 | --  | ND      | 2.29  | --  |           | 1               |
| trans-1,3-Dichloropropene                                   | ND      | 0.200 | --  | ND      | 0.907 | --  |           | 1               |
| 1,1,2-Trichloroethane                                       | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Toluene   | ND      | 0.200 | --  | ND      | 0.753 | --  |           | 1               |
| 1,3-Dichloropropane   | ND      | 0.200 | --  | ND      | 0.923 | --  |           | 1               |
| 2-Hexanone  | ND      | 0.200 | --  | ND      | 0.819 | --  |           | 1               |
| Dibromochloromethane  | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Butyl acetate   | ND      | 0.500 | --  | ND      | 2.37  | --  |           | 1               |
| Octane  | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND      | 1.36  | --  |           | 1               |
| 1,1,1,2-Tetrachloroethane                                   | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| Chlorobenzene   | ND      | 0.200 | --  | ND      | 0.920 | --  |           | 1               |
| Ethylbenzene  | ND      | 0.200 | --  | ND      | 0.868 | --  |           | 1               |
| p/m-Xylene  | ND      | 0.400 | --  | ND      | 1.74  | --  |           | 1               |
| Bromoform   | ND      | 0.200 | --  | ND      | 2.06  | --  |           | 1               |
| Styrene   | ND      | 0.200 | --  | ND      | 0.851 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                                   | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene  | ND      | 0.200 | --  | ND      | 0.868 | --  |           | 1               |
| 1,2,3-Trichloropropane                                      | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| Nonane  | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| Isopropylbenzene  | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1017587  
**Report Date:** 01/07/11

### Air Canister Certification Results

Lab ID: L1017587-01 Date Collected: 11/04/10 00:00  
Client ID: CAN 207 SHELF 4 Date Received: 11/04/10  
Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Bromobenzene  | ND      | 0.200 | --  | ND      | 1.28  | --  |           | 1               |
| 2-Chlorotoluene   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| n-Propylbenzene   | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| 4-Chlorotoluene   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| 4-Ethyltoluene  | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                      | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| tert-Butylbenzene   | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                      | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| Decane  | ND      | 0.200 | --  | ND      | 1.16  | --  |           | 1               |
| Benzyl chloride   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| 1,3-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| sec-Butylbenzene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| p-Isopropyltoluene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| n-Butylbenzene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dibromo-3-chloropropane                                 | ND      | 0.200 | --  | ND      | 1.93  | --  |           | 1               |
| Undecane  | ND      | 0.200 | --  | ND      | 1.28  | --  |           | 1               |
| Dodecane  | ND      | 0.200 | --  | ND      | 1.39  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                                      | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Naphthalene   | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| 1,2,3-Trichlorobenzene                                      | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene   | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1017587**Project Number:** CANISTER QC BAT**Report Date:** 01/07/11**Air Canister Certification Results**

|                  |                 |                 |                |
|------------------|-----------------|-----------------|----------------|
| Lab ID:          | L1017587-01     | Date Collected: | 11/04/10 00:00 |
| Client ID:       | CAN 207 SHELF 4 | Date Received:  | 11/04/10       |
| Sample Location: |                 | Field Prep:     | Not Specified  |

| Parameter  | ppbV    |    |     | ug/m3   |    |     | Dilution Factor |
|--|---------|----|-----|---------|----|-----|-----------------|
|  | Results | RL | MDL | Results | RL | MDL |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |    |     |         |    |     |                 |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 96         |           | 60-140              |
| Bromochloromethane  | 102        |           | 60-140              |
| chlorobenzene-d5    | 90         |           | 60-140              |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1017587  
**Report Date:** 01/07/11

### Air Canister Certification Results

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1017587-01     | Date Collected: | 11/04/10 00:00 |
| Client ID:        | CAN 207 SHELF 4 | Date Received:  | 11/04/10       |
| Sample Location:  |                 | Field Prep:     | Not Specified  |
| Matrix:           | Air             |                 |                |
| Anaytical Method: | 48,TO-15-SIM    |                 |                |
| Analytical Date:  | 11/05/10 18:02  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter  | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|--|---------|-------|-----|-------|-------|-----------|-----------------|
|  |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air by SIM - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Dichlorodifluoromethane                                | ND      | 0.050 | --  | ND    | 0.247 | --        | 1               |
| Chloromethane  | ND      | 0.500 | --  | ND    | 1.03  | --        | 1               |
| Freon-114  | ND      | 0.050 | --  | ND    | 0.349 | --        | 1               |
| Vinyl chloride   | ND      | 0.020 | --  | ND    | 0.051 | --        | 1               |
| 1,3-Butadiene  | ND      | 0.020 | --  | ND    | 0.044 | --        | 1               |
| Bromomethane   | ND      | 0.020 | --  | ND    | 0.078 | --        | 1               |
| Chloroethane   | ND      | 0.020 | --  | ND    | 0.053 | --        | 1               |
| Acetone  | ND      | 2.00  | --  | ND    | 4.75  | --        | 1               |
| Trichlorofluoromethane                                 | ND      | 0.050 | --  | ND    | 0.281 | --        | 1               |
| Acrylonitrile  | ND      | 0.500 | --  | ND    | 1.08  | --        | 1               |
| 1,1-Dichloroethene                                     | ND      | 0.020 | --  | ND    | 0.079 | --        | 1               |
| Methylene chloride                                     | ND      | 1.00  | --  | ND    | 3.47  | --        | 1               |
| Freon-113  | 0.069   | 0.050 | --  | 0.528 | 0.383 | --        | 1               |
| Halothane  | ND      | 0.050 | --  | ND    | 0.403 | --        | 1               |
| trans-1,2-Dichloroethene                               | ND      | 0.020 | --  | ND    | 0.079 | --        | 1               |
| 1,1-Dichloroethane                                     | ND      | 0.020 | --  | ND    | 0.081 | --        | 1               |
| Methyl tert butyl ether                                | ND      | 0.020 | --  | ND    | 0.072 | --        | 1               |
| 2-Butanone   | ND      | 0.500 | --  | ND    | 1.47  | --        | 1               |
| cis-1,2-Dichloroethene                                 | ND      | 0.020 | --  | ND    | 0.079 | --        | 1               |
| Chloroform   | ND      | 0.020 | --  | ND    | 0.098 | --        | 1               |
| 1,2-Dichloroethane                                     | ND      | 0.020 | --  | ND    | 0.081 | --        | 1               |
| 1,1,1-Trichloroethane                                  | ND      | 0.020 | --  | ND    | 0.109 | --        | 1               |
| Benzene  | ND      | 0.100 | --  | ND    | 0.319 | --        | 1               |
| Carbon tetrachloride                                   | ND      | 0.020 | --  | ND    | 0.126 | --        | 1               |
| 1,2-Dichloropropane                                    | ND      | 0.020 | --  | ND    | 0.092 | --        | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1017587**Project Number:** CANISTER QC BAT**Report Date:** 01/07/11**Air Canister Certification Results**

Lab ID: L1017587-01 Date Collected: 11/04/10 00:00  
 Client ID: CAN 207 SHELF 4 Date Received: 11/04/10  
 Sample Location: Field Prep: Not Specified

| Parameter  | Results | ppbV  |     | ug/m3 |     | Qualifier | Dilution Factor |
|--|---------|-------|-----|-------|-----|-----------|-----------------|
|  |         | RL    | MDL | RL    | MDL |           |                 |
| <b>Volatile Organics in Air by SIM - Mansfield Lab</b> |         |       |     |       |     |           |                 |
| Bromodichloromethane                                   | ND      | 0.020 | --  | 0.134 | --  |           | 1               |
| Trichloroethene  | ND      | 0.020 | --  | 0.107 | --  |           | 1               |
| 1,4-Dioxane  | ND      | 0.100 | --  | 0.360 | --  |           | 1               |
| cis-1,3-Dichloropropene                                | ND      | 0.020 | --  | 0.091 | --  |           | 1               |
| 4-Methyl-2-pentanone                                   | ND      | 0.500 | --  | 2.05  | --  |           | 1               |
| trans-1,3-Dichloropropene                              | ND      | 0.020 | --  | 0.091 | --  |           | 1               |
| 1,1,2-Trichloroethane                                  | ND      | 0.020 | --  | 0.109 | --  |           | 1               |
| Toluene  | ND      | 0.020 | --  | 0.075 | --  |           | 1               |
| Dibromochloromethane                                   | ND      | 0.020 | --  | 0.170 | --  |           | 1               |
| 1,2-Dibromoethane                                      | ND      | 0.020 | --  | 0.154 | --  |           | 1               |
| Tetrachloroethene                                      | ND      | 0.020 | --  | 0.136 | --  |           | 1               |
| 1,1,1,2-Tetrachloroethane                              | ND      | 0.020 | --  | 0.137 | --  |           | 1               |
| Chlorobenzene  | ND      | 0.020 | --  | 0.092 | --  |           | 1               |
| Ethylbenzene   | ND      | 0.020 | --  | 0.087 | --  |           | 1               |
| p/m-Xylene   | ND      | 0.040 | --  | 0.174 | --  |           | 1               |
| Bromoform  | ND      | 0.020 | --  | 0.206 | --  |           | 1               |
| Styrene  | ND      | 0.020 | --  | 0.085 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                              | ND      | 0.020 | --  | 0.137 | --  |           | 1               |
| o-Xylene   | ND      | 0.020 | --  | 0.087 | --  |           | 1               |
| Isopropylbenzene                                       | ND      | 0.500 | --  | 2.46  | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                 | ND      | 0.020 | --  | 0.098 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                 | ND      | 0.020 | --  | 0.098 | --  |           | 1               |
| 1,3-Dichlorobenzene                                    | ND      | 0.020 | --  | 0.120 | --  |           | 1               |
| 1,4-Dichlorobenzene                                    | ND      | 0.020 | --  | 0.120 | --  |           | 1               |
| sec-Butylbenzene                                       | ND      | 0.500 | --  | 2.74  | --  |           | 1               |
| p-Isopropyltoluene                                     | ND      | 0.500 | --  | 2.74  | --  |           | 1               |
| 1,2-Dichlorobenzene                                    | ND      | 0.020 | --  | 0.120 | --  |           | 1               |
| n-Butylbenzene   | ND      | 0.500 | --  | 2.74  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1017587**Project Number:** CANISTER QC BAT**Report Date:** 01/07/11**Air Canister Certification Results**

|                  |                 |                 |                |
|------------------|-----------------|-----------------|----------------|
| Lab ID:          | L1017587-01     | Date Collected: | 11/04/10 00:00 |
| Client ID:       | CAN 207 SHELF 4 | Date Received:  | 11/04/10       |
| Sample Location: |                 | Field Prep:     | Not Specified  |

| Parameter  | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|  | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air by SIM - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| 1,2,4-Trichlorobenzene                                 | ND      | 0.050 | --  | ND      | 0.371 | --  |           | 1               |
| Naphthalene  | ND      | 0.050 | --  | ND      | 0.262 | --  |           | 1               |
| 1,2,3-Trichlorobenzene                                 | ND      | 0.050 | --  | ND      | 0.371 | --  |           | 1               |
| Hexachlorobutadiene                                    | ND      | 0.050 | --  | ND      | 0.533 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1017587**Project Number:** CANISTER QC BAT**Report Date:** 01/07/11**Air Canister Certification Results**

|                  |                 |                 |                |
|------------------|-----------------|-----------------|----------------|
| Lab ID:          | L1017587-01     | Date Collected: | 11/04/10 00:00 |
| Client ID:       | CAN 207 SHELF 4 | Date Received:  | 11/04/10       |
| Sample Location: |                 | Field Prep:     | Not Specified  |

| Parameter                                       | ppbV    |    |     | ug/m3   |    |     | Dilution Factor |
|---|---------|----|-----|---------|----|-----|-----------------|
|   | Results | RL | MDL | Results | RL | MDL |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |    |     |         |    |     |                 |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-difluorobenzene | 91         |           | 60-140              |
| bromochloromethane  | 94         |           | 60-140              |
| chlorobenzene-d5    | 90         |           | 60-140              |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1019640  
**Report Date:** 01/07/11

### Air Canister Certification Results

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1019640-01     | Date Collected: | 12/08/10 00:00 |
| Client ID:        | CAN 158 SHELF 8 | Date Received:  | 12/08/10       |
| Sample Location:  |                 | Field Prep:     | Not Specified  |
| Matrix:           | Air             |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 12/11/10 20:14  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Chlorodifluoromethane                                       | ND      | 0.200 | --  | ND    | 0.707 | --        | 1               |
| Propylene   | ND      | 0.200 | --  | ND    | 0.344 | --        | 1               |
| Propane   | ND      | 0.200 | --  | ND    | 0.606 | --        | 1               |
| Dichlorodifluoromethane                                     | ND      | 0.200 | --  | ND    | 0.988 | --        | 1               |
| Chloromethane   | ND      | 0.200 | --  | ND    | 0.413 | --        | 1               |
| Freon-114   | ND      | 0.200 | --  | ND    | 1.40  | --        | 1               |
| Methanol  | ND      | 5.00  | --  | ND    | 6.55  | --        | 1               |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,3-Butadiene   | ND      | 0.200 | --  | ND    | 0.442 | --        | 1               |
| Butane  | ND      | 0.200 | --  | ND    | 0.475 | --        | 1               |
| Bromomethane  | ND      | 0.200 | --  | ND    | 0.776 | --        | 1               |
| Chloroethane  | ND      | 0.200 | --  | ND    | 0.527 | --        | 1               |
| Ethanol   | ND      | 2.50  | --  | ND    | 4.71  | --        | 1               |
| Dichlorofluoromethane                                       | ND      | 0.200 | --  | ND    | 0.841 | --        | 1               |
| Vinyl bromide   | ND      | 0.200 | --  | ND    | 0.874 | --        | 1               |
| Acrolein  | ND      | 0.500 | --  | ND    | 1.14  | --        | 1               |
| Acetone   | ND      | 1.00  | --  | ND    | 2.37  | --        | 1               |
| Acetonitrile  | ND      | 0.200 | --  | ND    | 0.336 | --        | 1               |
| Trichlorofluoromethane                                      | ND      | 0.200 | --  | ND    | 1.12  | --        | 1               |
| Isopropanol   | ND      | 0.500 | --  | ND    | 1.23  | --        | 1               |
| Acrylonitrile   | ND      | 0.200 | --  | ND    | 0.434 | --        | 1               |
| Pentane   | ND      | 0.200 | --  | ND    | 0.590 | --        | 1               |
| Ethyl ether   | ND      | 0.200 | --  | ND    | 0.606 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| Tertiary butyl Alcohol                                      | ND      | 0.500 | --  | ND    | 1.52  | --        | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1019640  
**Report Date:** 01/07/11

### Air Canister Certification Results

Lab ID: L1019640-01 Date Collected: 12/08/10 00:00  
Client ID: CAN 158 SHELF 8 Date Received: 12/08/10  
Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Methylene chloride  | ND      | 1.00  | --  | ND      | 3.47  | --  |           | 1               |
| 3-Chloropropene   | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide  | ND      | 0.200 | --  | ND      | 0.622 | --  |           | 1               |
| Freon-113   | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND      | 0.792 | --  |           | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                                     | ND      | 0.200 | --  | ND      | 0.720 | --  |           | 1               |
| Vinyl acetate   | ND      | 0.200 | --  | ND      | 0.704 | --  |           | 1               |
| 2-Butanone  | ND      | 0.200 | --  | ND      | 0.589 | --  |           | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND      | 0.792 | --  |           | 1               |
| Ethyl Acetate   | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform  | ND      | 0.200 | --  | ND      | 0.976 | --  |           | 1               |
| Tetrahydrofuran   | ND      | 0.200 | --  | ND      | 0.589 | --  |           | 1               |
| 2,2-Dichloropropane   | ND      | 0.200 | --  | ND      | 0.923 | --  |           | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane  | ND      | 0.200 | --  | ND      | 0.704 | --  |           | 1               |
| Diisopropyl ether   | ND      | 0.200 | --  | ND      | 0.835 | --  |           | 1               |
| tert-Butyl Ethyl Ether                                      | ND      | 0.200 | --  | ND      | 0.835 | --  |           | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| 1,1-Dichloropropene   | ND      | 0.200 | --  | ND      | 0.907 | --  |           | 1               |
| Benzene   | ND      | 0.200 | --  | ND      | 0.638 | --  |           | 1               |
| Carbon tetrachloride  | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane   | ND      | 0.200 | --  | ND      | 0.688 | --  |           | 1               |
| tert-Amyl Methyl Ether                                      | ND      | 0.200 | --  | ND      | 0.835 | --  |           | 1               |
| Dibromomethane  | ND      | 0.200 | --  | ND      | 1.42  | --  |           | 1               |
| 1,2-Dichloropropane   | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| Bromodichloromethane  | ND      | 0.200 | --  | ND      | 1.34  | --  |           | 1               |
| 1,4-Dioxane   | ND      | 0.200 | --  | ND      | 0.720 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1019640**Project Number:** CANISTER QC BAT**Report Date:** 01/07/11**Air Canister Certification Results**

Lab ID: L1019640-01 Date Collected: 12/08/10 00:00  
 Client ID: CAN 158 SHELF 8 Date Received: 12/08/10  
 Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Trichloroethene   | ND      | 0.200 | --  | ND      | 1.07  | --  |           | 1               |
| 2,2,4-Trimethylpentane                                      | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Heptane   | ND      | 0.200 | --  | ND      | 0.819 | --  |           | 1               |
| 2,4,4-trimethyl-1-pentene                                   | ND      | 0.500 | --  | ND      | 2.29  | --  |           | 1               |
| cis-1,3-Dichloropropene                                     | ND      | 0.200 | --  | ND      | 0.907 | --  |           | 1               |
| 4-Methyl-2-pentanone  | ND      | 0.200 | --  | ND      | 0.819 | --  |           | 1               |
| 2,4,4-trimethyl-2-pentene                                   | ND      | 0.500 | --  | ND      | 2.29  | --  |           | 1               |
| trans-1,3-Dichloropropene                                   | ND      | 0.200 | --  | ND      | 0.907 | --  |           | 1               |
| 1,1,2-Trichloroethane                                       | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Toluene   | ND      | 0.200 | --  | ND      | 0.753 | --  |           | 1               |
| 1,3-Dichloropropane   | ND      | 0.200 | --  | ND      | 0.923 | --  |           | 1               |
| 2-Hexanone  | ND      | 0.200 | --  | ND      | 0.819 | --  |           | 1               |
| Dibromochloromethane  | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Butyl acetate   | ND      | 0.500 | --  | ND      | 2.37  | --  |           | 1               |
| Octane  | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND      | 1.36  | --  |           | 1               |
| 1,1,1,2-Tetrachloroethane                                   | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| Chlorobenzene   | ND      | 0.200 | --  | ND      | 0.920 | --  |           | 1               |
| Ethylbenzene  | ND      | 0.200 | --  | ND      | 0.868 | --  |           | 1               |
| p/m-Xylene  | ND      | 0.400 | --  | ND      | 1.74  | --  |           | 1               |
| Bromoform   | ND      | 0.200 | --  | ND      | 2.06  | --  |           | 1               |
| Styrene   | ND      | 0.200 | --  | ND      | 0.851 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                                   | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene  | ND      | 0.200 | --  | ND      | 0.868 | --  |           | 1               |
| 1,2,3-Trichloropropane                                      | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| Nonane  | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| Isopropylbenzene  | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1019640  
**Report Date:** 01/07/11

### Air Canister Certification Results

Lab ID: L1019640-01 Date Collected: 12/08/10 00:00  
Client ID: CAN 158 SHELF 8 Date Received: 12/08/10  
Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Bromobenzene  | ND      | 0.200 | --  | ND      | 1.28  | --  |           | 1               |
| 2-Chlorotoluene   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| n-Propylbenzene   | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| 4-Chlorotoluene   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| 4-Ethyltoluene  | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                      | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| tert-Butylbenzene   | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                      | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| Decane  | ND      | 0.200 | --  | ND      | 1.16  | --  |           | 1               |
| Benzyl chloride   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| 1,3-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| sec-Butylbenzene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| p-Isopropyltoluene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| n-Butylbenzene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dibromo-3-chloropropane                                 | ND      | 0.200 | --  | ND      | 1.93  | --  |           | 1               |
| Undecane  | ND      | 0.200 | --  | ND      | 1.28  | --  |           | 1               |
| Dodecane  | ND      | 0.200 | --  | ND      | 1.39  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                                      | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Naphthalene   | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| 1,2,3-Trichlorobenzene                                      | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene   | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1019640**Project Number:** CANISTER QC BAT**Report Date:** 01/07/11**Air Canister Certification Results**

|                  |                 |                 |                |
|------------------|-----------------|-----------------|----------------|
| Lab ID:          | L1019640-01     | Date Collected: | 12/08/10 00:00 |
| Client ID:       | CAN 158 SHELF 8 | Date Received:  | 12/08/10       |
| Sample Location: |                 | Field Prep:     | Not Specified  |

| Parameter  | ppbV    |    |     | ug/m3   |    |     | Dilution Factor |
|--|---------|----|-----|---------|----|-----|-----------------|
|  | Results | RL | MDL | Results | RL | MDL |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |    |     |         |    |     |                 |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 83         |           | 60-140              |
| Bromochloromethane  | 84         |           | 60-140              |
| chlorobenzene-d5    | 77         |           | 60-140              |

## **AIR Petro Can Certification**

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1017587  
**Report Date:** 01/07/11

**AIR CAN CERTIFICATION RESULTS**

|                    |                 |                 |                |
|--------------------|-----------------|-----------------|----------------|
| Lab ID:            | L1017587-01     | Date Collected: | 11/04/10 00:00 |
| Client ID:         | CAN 207 SHELF 4 | Date Received:  | 11/04/10       |
| Sample Location:   | Not Specified   | Field Prep:     | Not Specified  |
| Matrix:            | Air             |                 |                |
| Analytical Method: | 96,APH          |                 |                |
| Analytical Date:   | 11/05/10 18:54  |                 |                |
| Analyst:           | RY              |                 |                |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | ND     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1019640  
**Report Date:** 01/07/11

### AIR CAN CERTIFICATION RESULTS

|                    |                 |                 |                |
|--------------------|-----------------|-----------------|----------------|
| Lab ID:            | L1019640-01     | Date Collected: | 12/08/10 00:00 |
| Client ID:         | CAN 158 SHELF 8 | Date Received:  | 12/08/10       |
| Sample Location:   | Not Specified   | Field Prep:     | Not Specified  |
| Matrix:            | Air             |                 |                |
| Analytical Method: | 96,APH          |                 |                |
| Analytical Date:   | 12/13/10 13:41  |                 |                |
| Analyst:           | BS              |                 |                |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | ND     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

### Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

#### **Cooler Information Custody Seal**

##### **Cooler**

N/A Present/Intact

#### **Container Information**

| <b>Container ID</b> | <b>Container Type</b> | <b>Cooler</b> | <b>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b>    | <b>Analysis(*)</b> |
|---------------------|-----------------------|---------------|-----------|-----------------------|-------------|----------------|--------------------|
| L1020382-01A        | Canister - 2.7 Liter  | N/A           | N/A       |                       | Y           | Present/Intact | TO15-LL(30)        |
| L1020382-02A        | Canister - 2.7 Liter  | N/A           | N/A       |                       | Y           | Present/Intact | TO15-LL(30)        |
| L1020382-03A        | Canister - 2.7 Liter  | N/A           | N/A       |                       | Y           | Present/Intact | TO15-LL(30)        |
| L1020382-04A        | Canister - 2.7 Liter  | N/A           | N/A       |                       | Y           | Present/Intact | TO15-LL(30)        |
| L1020382-05A        | Canister - 2.7 Liter  | N/A           | N/A       |                       | Y           | Present/Intact | TO15-LL(30)        |
| L1020382-06A        | Canister - 2.7 Liter  | N/A           | N/A       |                       | Y           | Present/Intact | TO15-LL(30)        |

\*Values in parentheses indicate holding time in days

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

## GLOSSARY

### *Acronyms*

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

### *Terms*

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

### *Data Qualifiers*

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

*Report Format:* Data Usability Report



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

*Data Qualifiers*

- RE** - Analytical results are from sample re-extraction.  
**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).  
**ND** - Not detected at the reporting limit (RL) for the sample.

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020382  
**Report Date:** 01/07/11

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.
- 51 Determination of Carbon Dioxide, Methane, Nitrogen and Oxygen from Stationary Sources. Method 3C. Appendix A, Part 60, 40 CFR (Code of Federal Regulations). June 20, 1996.
- 96 Method for the Determination of Air-Phase Petroleum Hydrocarbons (APH), MassDEP, December 2009, Revision 1 with QC Requirements & Performance Standards for the Analysis of APH by GC/MS under the Massachusetts Contingency Plan, WSC-CAM-IXA, July 2010.

## LIMITATION OF LIABILITIES

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

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



## **Certificate/Approval Program Summary**

Last revised July 19, 2010 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health Certificate/Lab ID: PH-0141.**

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

**Florida Department of Health Certificate/Lab ID: E87814. **NELAP Accredited.****

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

**Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. **NELAP Accredited.****

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270, )

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

**Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.**

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. **NELAP Accredited.****

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. **NELAP Accredited.****

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

*Atmospheric Organic Parameters* (EPA TO-15)

*Biological Tissue* (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

**New York Department of Health** Certificate/Lab ID: 11627. **NELAP Accredited.**

*Non-Potable Water* (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

*Air & Emissions* (EPA TO-15.)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

**Texas Commission of Environmental Quality** Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

*Solid & Chemical Materials* (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

*Air* (Organic Parameters: EPA TO-15)

**U.S. Army Corps of Engineers**

**Department of Defense** Certificate/Lab ID: L2217.01.

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 3051, 6020, 747A, 7474, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

*Air & Emissions* (EPA TO-15.)

#### **Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl.

**CHAIN OF CUSTODY**

320 Forbes Blvd, Mansfield, MA 02048  
TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: **MAINE DEP**  
Address: **312 Cancer Road  
Portland ME 04103**  
Phone: **(207) 722-6350**  
Email: **peter.m.fernandes@maine.gov**  
Fax:

Standard  RUSH (only confirmed if pre-approved)

Date Due: \_\_\_\_\_

Time: \_\_\_\_\_

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

**AIR ANALYSIS**PAGE 1 OF 1

Date Rec'd in Lab:

**ALPHA Job #:** L1020382**Project Information**

Project Name: **CHARSTIE'S LANE**  
Project Location: **LEWISTON, MAINE**

**Project #:**

Project Manager: **PETER FERNANDEZ**  
ALPHA Quote #:

Turn-Around Time  
**48 hours**

FAX  
 DADEx  
Criteria Checker: \_\_\_\_\_

EMAIL (standard pdf report)  
 Additional Deliverables:

Report to: (if different than Project Manager)  
**d.m.m.mckenzie@maine.gov**

Same as Client Info.  PO#.: \_\_\_\_\_

| Regulatory Requirements/Report Limits | State/Fed    | Program    | Criteria |
|---------------------------------------|--------------|------------|----------|
| <b>MAINE</b>                          | <b>ESQAD</b> | <b>END</b> |          |

**JUN 14 2007** **Summer Enviro**

| ANALYSIS |  |  |  |
|----------|--|--|--|
|----------|--|--|--|

**All Columns Below Must Be Filled Out**

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID | Date  | Collection |          | Initial Vacuum | Final Matrix* | Sampler's Initials | Can Size | ID Can | ID - Flow Controller | Sample Comments (i.e. PID) |
|--------------------------------|-----------|-------|------------|----------|----------------|---------------|--------------------|----------|--------|----------------------|----------------------------|
|                                |           |       | Start Time | End Time |                |               |                    |          |        |                      |                            |
| 1020382-1                      | SV-105-11 | 12-21 | 11:07      | 11:46    | -30            | -3            | SV                 | JRC      | 1L     | 47160077             | X X                        |
| 2- SV-105-11A                  |           | 12-21 | 11:07      | 11:40    | -28            | -1            | SV                 | JRC      | 1L     | 5490407              | X X                        |
| 3- SV-105-4                    |           | 12-21 | 10:49      | 11:11    | -26            | -3            | SV                 | JRC      | 1L     | 1580722              | X X                        |
| 4- SSV-02                      |           | 12-21 | 12:30      | 12:57    | -28            | -4            | SV                 | JRC      | 1L     | 2020297              | X X                        |
| 5- SV-103-4                    |           | 12-21 | 9:17       | 9:48     | -26            | 0,0           | SV                 | JRC      | 1L     | 4210343              | X X                        |
| 6- SSV-01                      |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 7- SSV-01                      |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 8- SSV-01                      |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 9- SSV-01                      |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 10- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 11- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 12- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 13- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 14- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 15- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 16- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 17- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 18- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 19- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 20- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 21- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 22- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 23- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 24- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 25- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 26- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 27- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 28- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 29- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 30- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 31- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 32- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 33- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 34- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 35- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 36- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 37- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 38- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 39- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 40- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 41- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 42- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 43- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 44- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 45- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 46- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 47- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 48- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 49- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 50- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 51- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 52- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 53- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 54- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 55- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 56- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 57- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 58- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 59- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 60- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 61- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 62- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 63- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 64- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 65- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 66- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 67- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 68- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 69- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 70- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 71- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 72- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 73- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 74- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 75- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 76- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 77- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 78- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 79- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 80- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 81- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 82- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 83- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 84- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 85- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 86- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 87- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 88- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X                        |
| 89- SSV-01                     |           | 12-21 | 12:20      | 12:55    | -28            | -2            | SV                 | JRC      | 1L     | 5610211              | X X</                      |

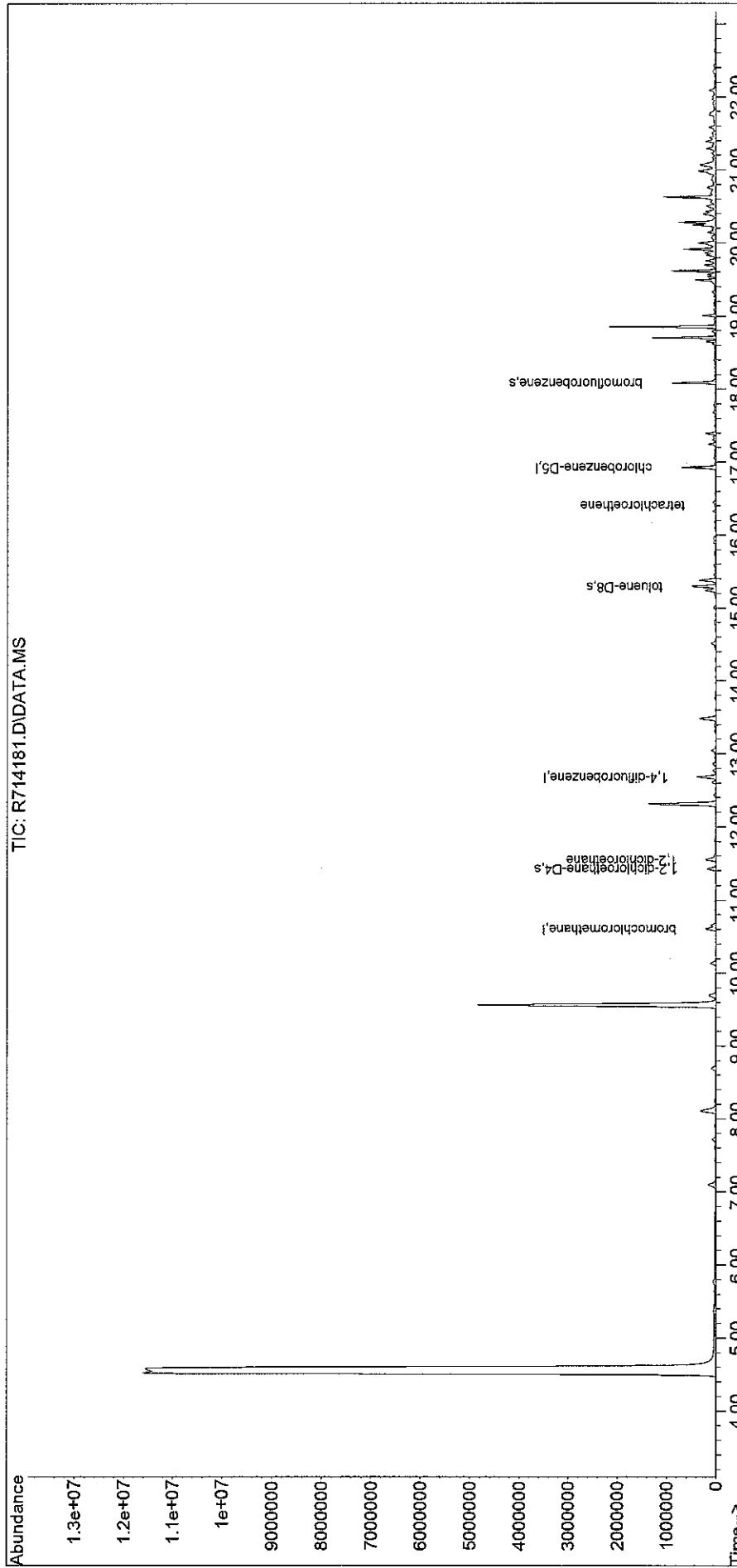
**TO-15**

Sub List : 9\_Chlorinateds+EDB - .t (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230t\  
 Data File : R714181.D  
 Acq On : 30 Dec 2010 8:27 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020382-01D, 3, 25, 250  
 Misc : WG449914, ICAL5536  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 31 07:52:44 2010  
 Quant Method : O:\Forensics\Data\Airlab7\2010\101230t\TALL101209.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 QLast Update : Fri Dec 10 10:47:23 2010  
 Response via : Initial Calibration

TIC: R714181.D\DATA\MS



Sub List : 9\_Chlorinateds+EDB - .t (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230\t\  
 Data File : R714182.D  
 Acq On : 30 Dec 2010 9:00 pm  
 Operator : AIRLAB7:BS  
 Sample : I1020382-02D,3,25,250  
 Misc : WG449914,ICAL5536  
 ALS Vial : 11 Sample Multiplier: 1

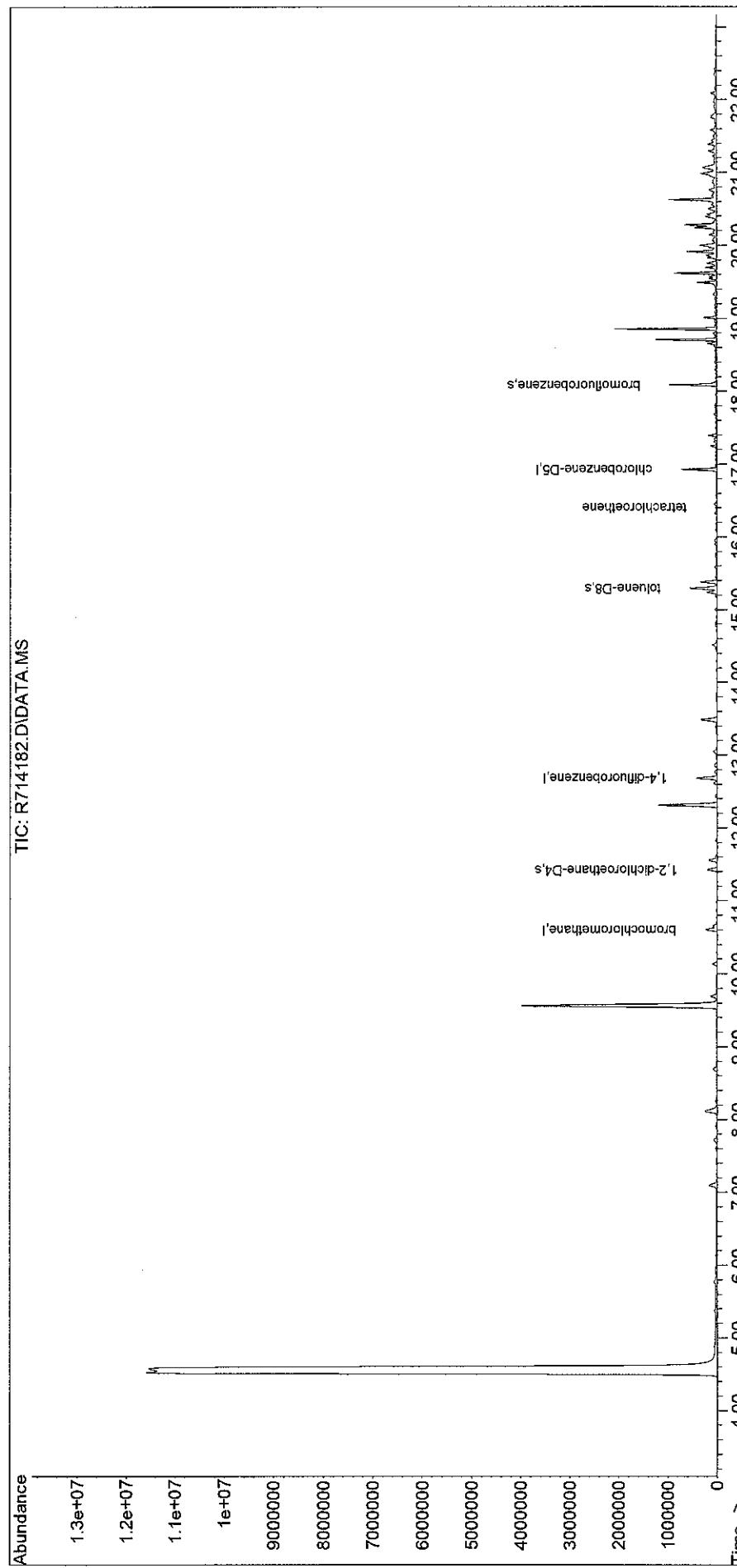
Quant Time: Jan 05 12:24:34 2011  
 Quant Method : O:\Forensics\Data\Airlab7\2010\101230\t\TALL101209.M

Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis

QLast Update : Fri Dec 10 10:47:23 2010

Response via : Initial Calibration

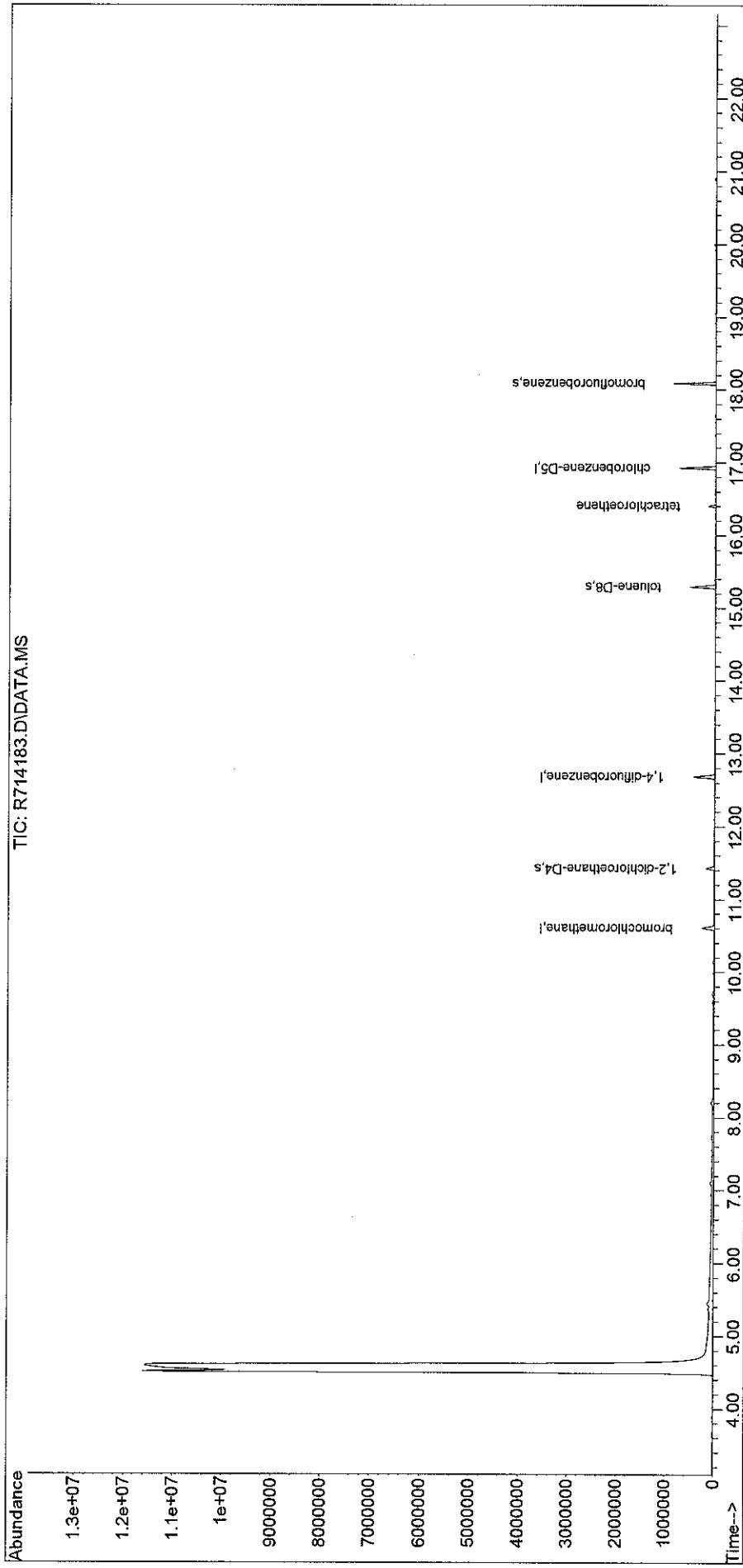
TIC: R714182.D\DATA.MS

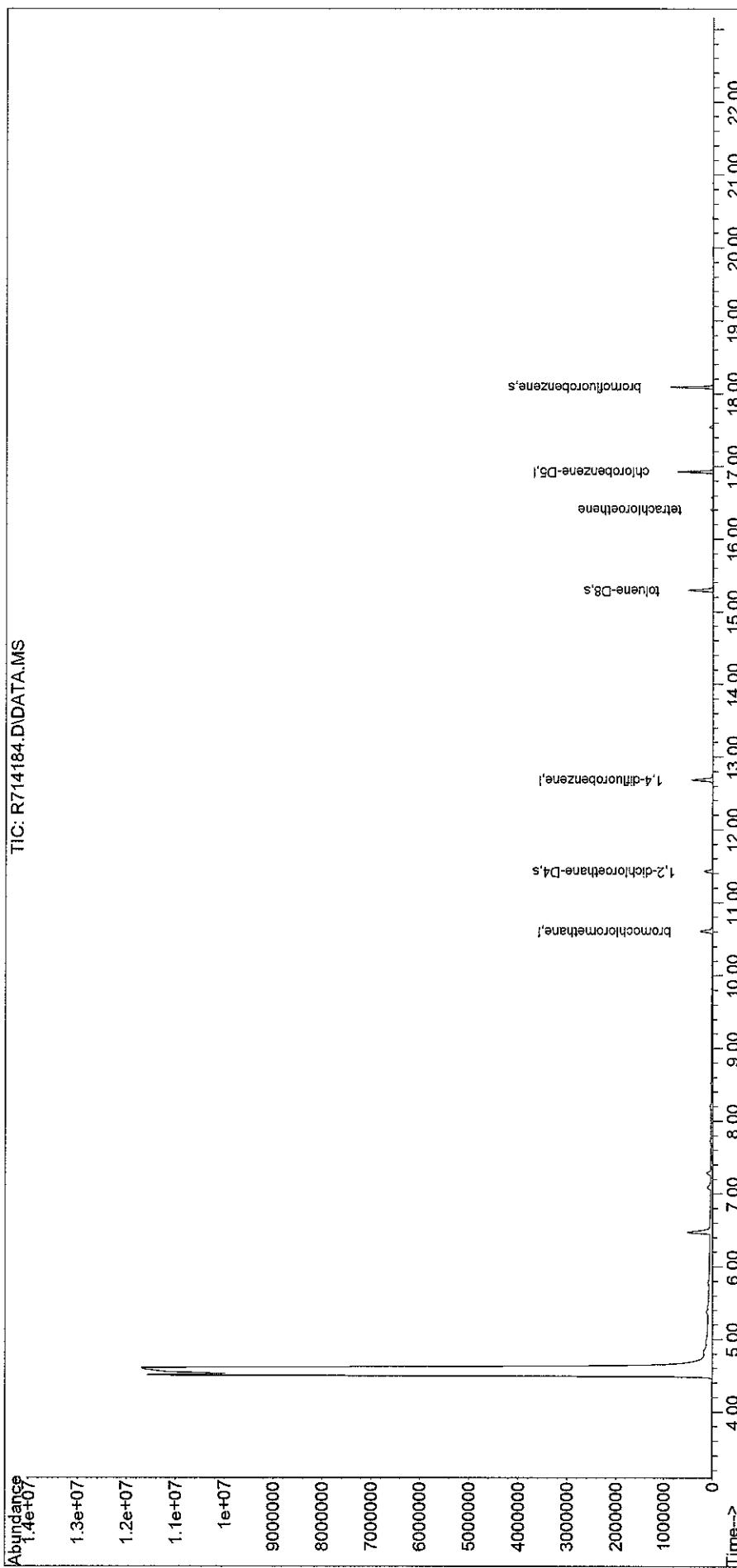


Sub List : 9\_Chlorinateds+EDB - .t (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230t\  
 Data File : R714183.D  
 Acq On : 30 Dec 2010 9:34 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020382~L1,3,250,250  
 Misc : WG449914, ICAL5536  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 31 07:53:36 2010  
 Quant Method : O:\Forensics\Data\Airlab7\2010\101230t\TALL101209.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 QLast Update : Fri Dec 10 10:47:23 2010  
 Response via : Initial Calibration





Sub List : 9\_Chlorinateds+EDB - .t (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230\

Data File : R714184.D

Acq On : 30 Dec 2010 10:07 pm

Operator : AIRLAB7:BS

Sample : L1020382-04,3,250,250

Misc : WG449914,ICAL5536

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 31 07:54:00 2010

Quant Method : O:\Forensics\Data\Airlab7\2010\101230\TALL101209.M

Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis

QLast Update : Fri Dec 10 10:47:23 2010

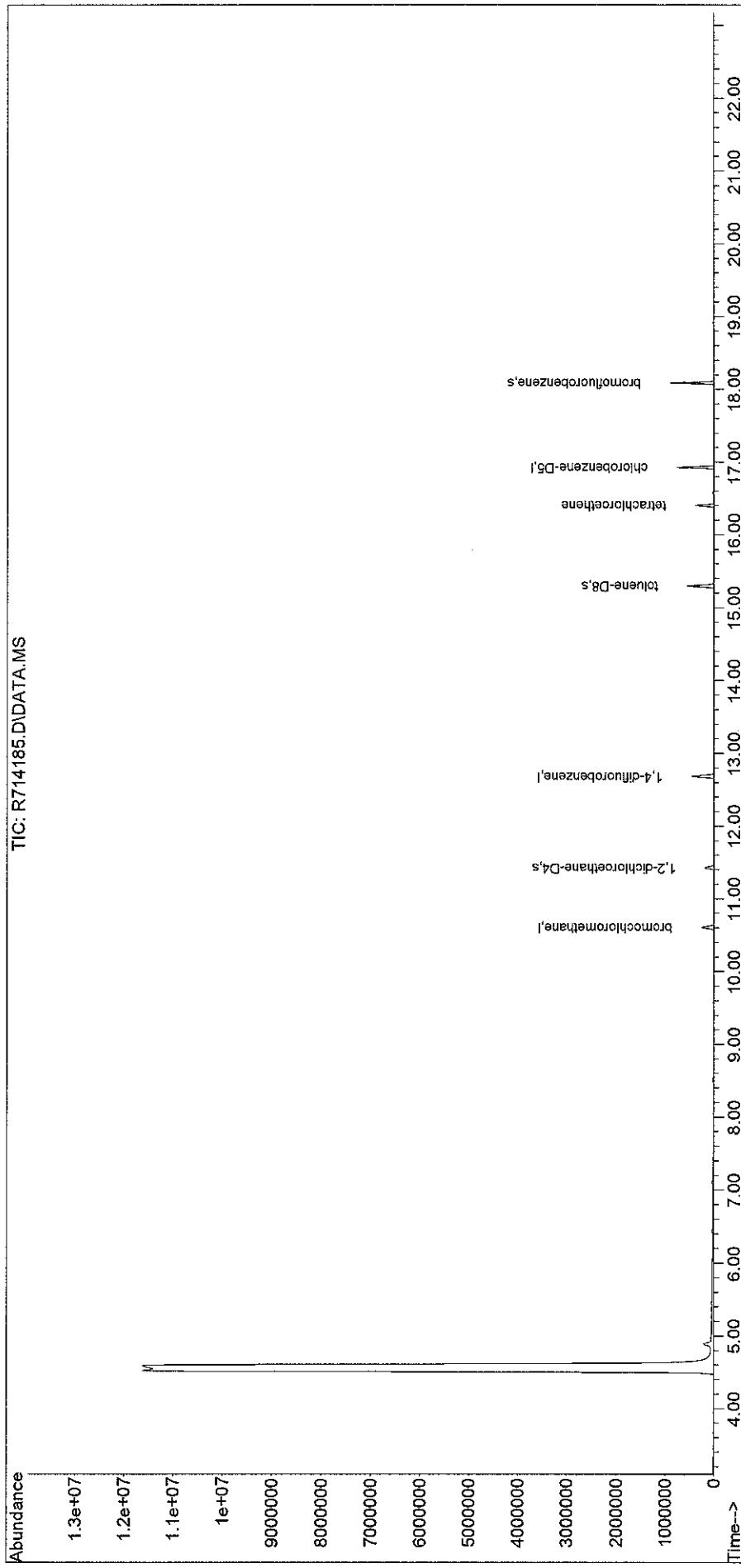
Response via : Initial Calibration

Sub List : 9\_chlorinateds+EDB - .t (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230\t\  
 Data File : R714185.D  
 Acq On : 30 Dec 2010 10:41 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020382-05,3,250,250  
 Misc : WG449914, ICAL5536  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 31 07:54:20 2010  
 Quant Method : TO-14A/TO-15 SIM/Full Scan Analysis  
 Quant Title : Fri Dec 10 10:47:23 2010  
 QLast Update : Fri Dec 10 10:47:23 2010  
 Response via : Initial Calibration

TIC: R714185.D\DATA.MS

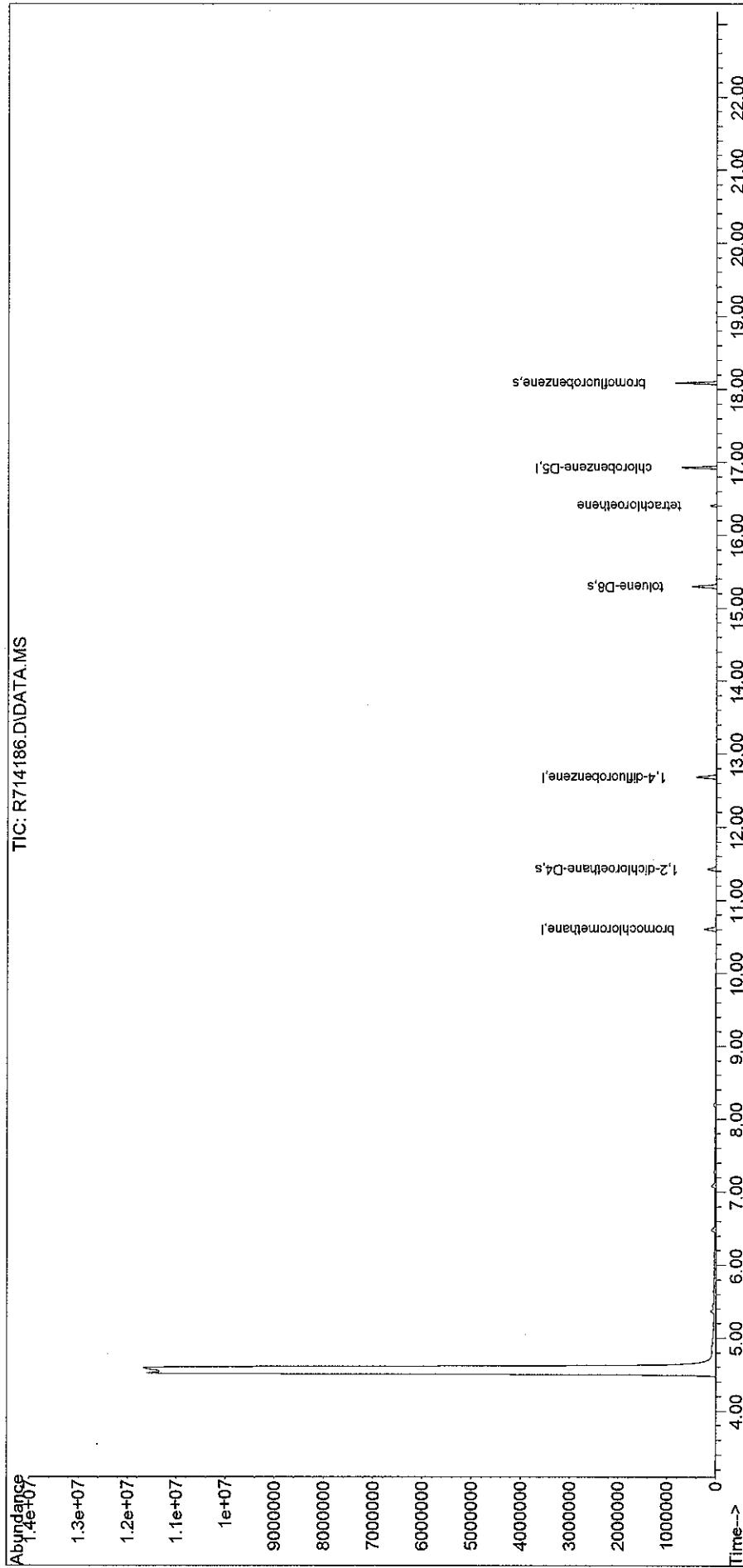


Sub List : 9\_Chlorinateds+EDB - .t (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230t\  
 Data File : R714186.D  
 Acq On : 30 Dec 2010 11:15 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020382-06,3,250,250  
 Misc : WG449914, ICAL5536  
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 31 07:54:40 2010  
 Quant Method : O:\Forensics\Data\Airlab7\2010\101230t\TALL101209.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 QLast Update : Fri Dec 10 10:47:23 2010  
 Response via : Initial Calibration

TIC: R714186.D\DATA.MS



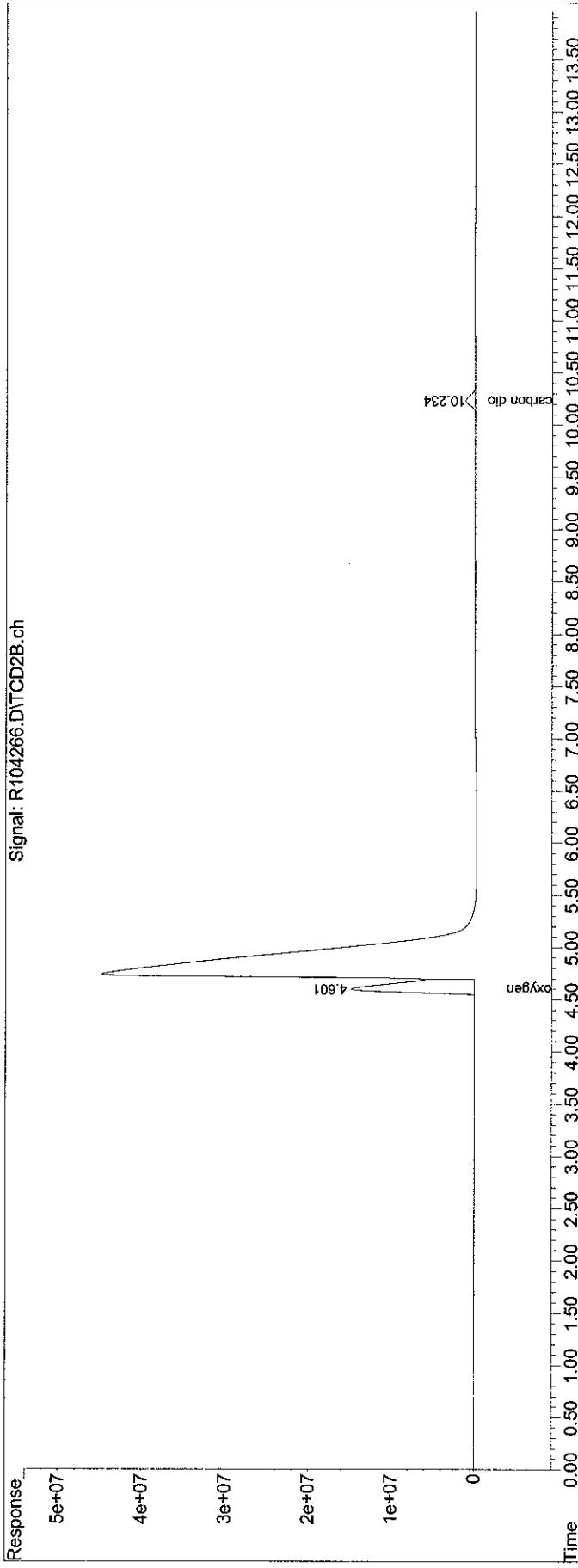
## Fixed Gases

Sub List : CO<sub>2</sub>,O<sub>2</sub>,CH<sub>4</sub> - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\110106FG\  
 Data File : R104266.D  
 Signal(s) : TCD2B.ch  
 Acq On : 6 Jan 2011 7:18 pm  
 Operator : airlab10:RY  
 Sample : L1020382-01D,4,0.7178,1  
 Misc : WG450576,ICAL5222  
 ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Jan 07 10:30:34 2011  
 Quant Method : O:\Forensics\Data\airlab10\110106FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Sat Oct 30 10:36:20 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. :  
 Signal Phase :  
 Signal Info :



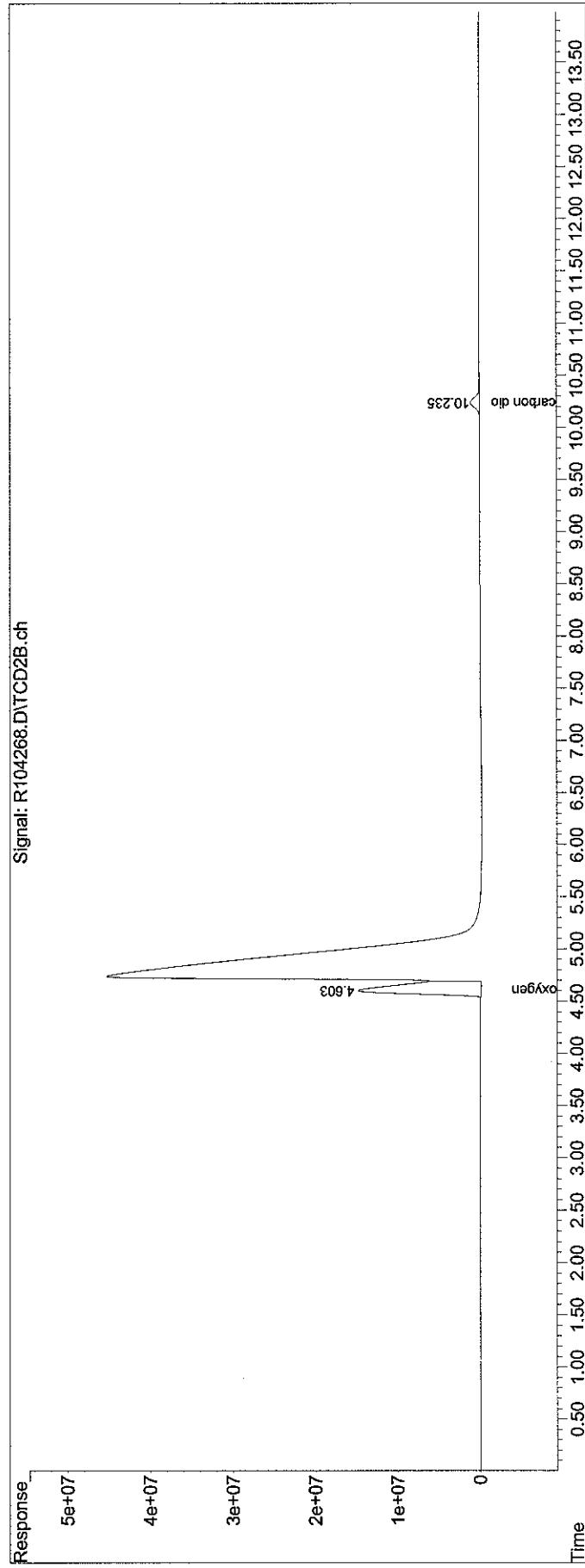
Sub List : CO<sub>2</sub>, O<sub>2</sub>, CH<sub>4</sub> - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\110106FG\  
 Data File : R104268.D  
 Signal(s) : TCD2B.ch  
 Acq On : 6 Jan 2011 7:58 pm  
 Operator : airlab10:RY  
 Sample : L1020382-02D,4,0.6915,1  
 Misc : WG450576,ICAL5222  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e

Quant Time: Jan 07 10:08:32 2011  
 Quant Method : O:\Forensics\Data\airlab10\110106FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Sat Oct 30 10:36:20 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. :  
 Signal Phase :  
 Signal Info :

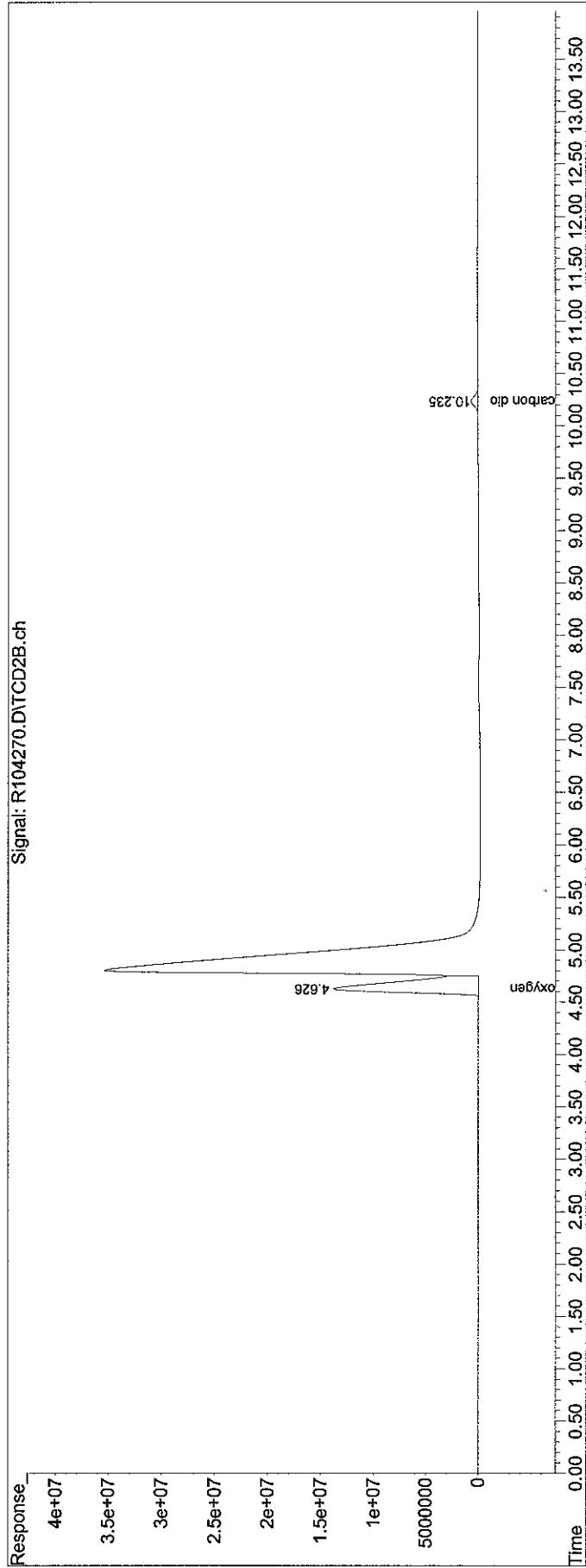


Sub List : CO<sub>2</sub>,O<sub>2</sub>,CH<sub>4</sub> - .checkbox report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\110106FG\  
 Data File : R104270.D  
 Signal(s) : TCD2B.ch  
 Acq On : 6 Jan 2011 8:37 pm  
 Operator : airlab10.RY  
 Sample : L1020382-03D,4,0.6857,1  
 Misc : WG450576,ICAL5222  
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Jan 07 10:09:36 2011  
 Quant Method : O:\Forensics\Data\airlab10\110106FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Sat Oct 30 10:36:20 2010  
 Response via : Initial Calibration  
 Integrator: Chemstation

Volume Inj. :  
 Signal Phase :  
 Signal Info :



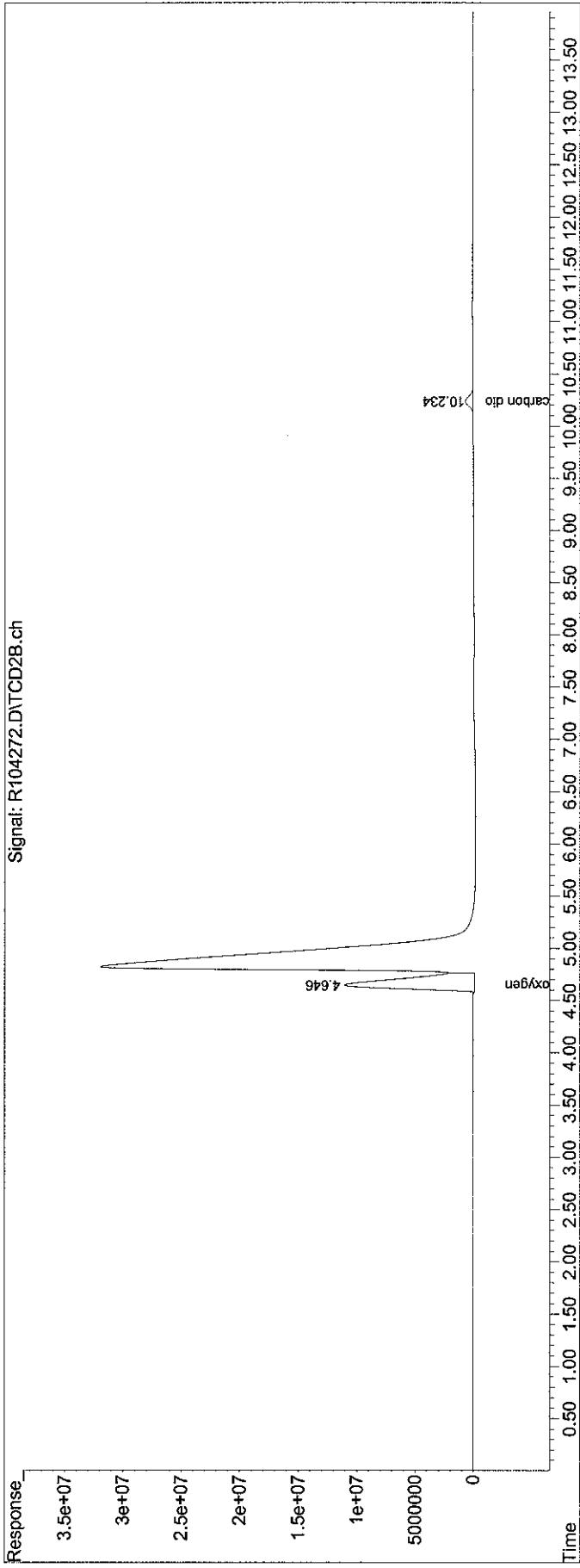
Sub List : CO<sub>2</sub>, O<sub>2</sub>, CH<sub>4</sub> - .report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\110106FG\  
 Data File : R104272.D  
 Signal(s) : TCD2B.ch  
 Acq On : 6 Jan 2011 9:17 pm  
 Operator : airlab10:RY  
 Sample : L1020382-04D,4,0.56667,1  
 Misc : WG450576,ICAL5222  
 ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e

Quant Time: Jan 07 10:10:36 2011  
 Quant Method : O:\Forensics\Data\airlab10\110106FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Sat Oct 30 10:36:20 2010  
 Response via : Initial Calibration  
 Integrator: Chemstation

Volume Inj. :  
 Signal Phase :  
 Signal Info :

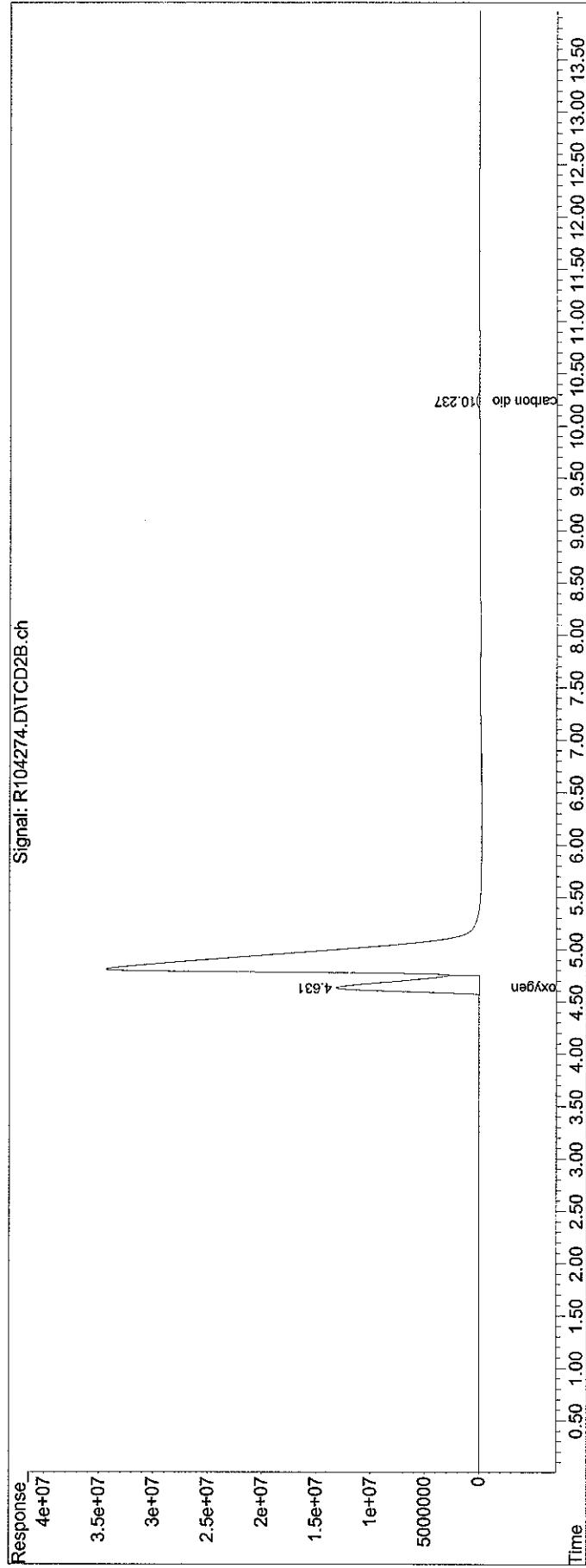


Sub List : CO<sub>2</sub>,O<sub>2</sub>,CH<sub>4</sub> - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\110106FG\  
 Data File : R104274.D  
 Signal(s) : TCD2B.ch  
 Acq On : 6 Jan 2011 9:57 pm  
 Operator : airlab10:RY  
 Sample : L1020382-05D,4,0,6429,1  
 Misc : WG450576,ICAL5222  
 ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Jan 07 10:11:34 2011  
 Quant Method : O:\Forensics\Data\airlab10\110106FG\EG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Sat Oct 30 10:36:20 2010  
 Response via : Initial Calibration  
 Integrator: Chemstation

Volume Inj. :  
 Signal Phase :  
 Signal Info :

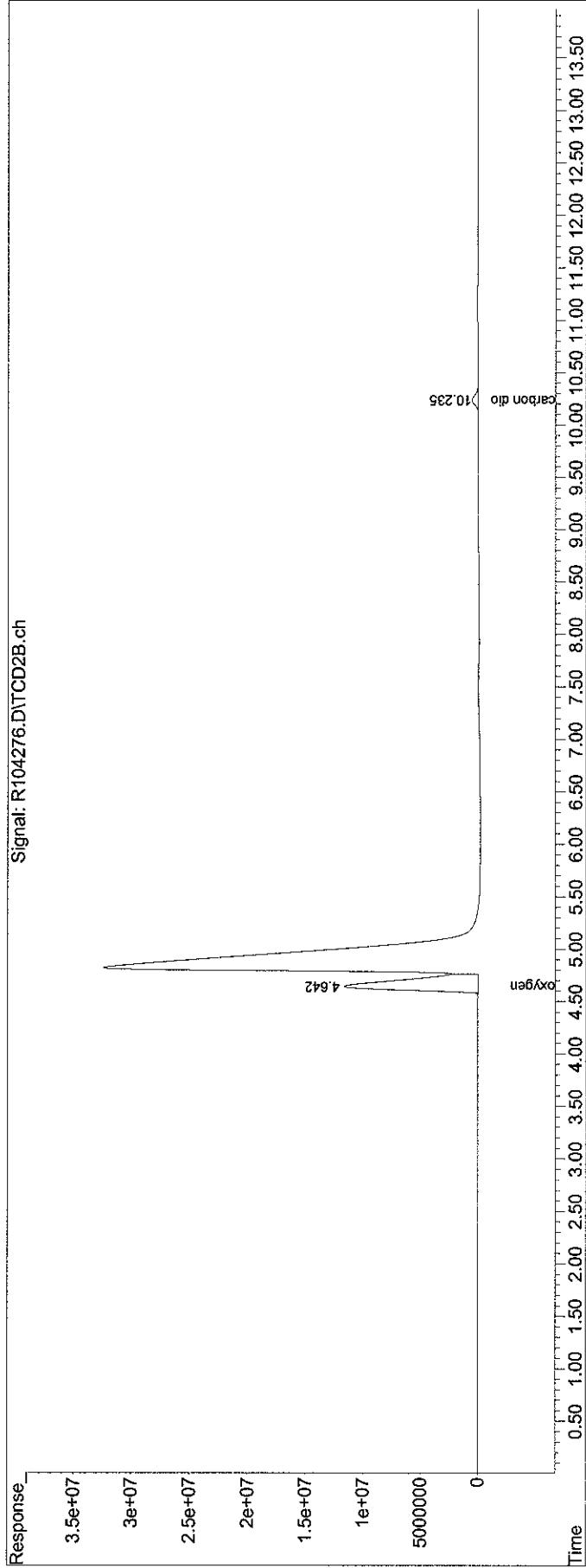


Sub List : CO<sub>2</sub>, O<sub>2</sub>, CH<sub>4</sub> - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\110106FG\  
 Data File : R104276.D  
 Signal(s) : TCD2B.ch  
 Acq On : 6 Jan 2011 10:36 pm  
 Operator : airlab10:RY  
 Sample : L1020382-06D,4,0.5905,1  
 Misc : WG450576,ICAL5222  
 ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Jan 07 10:12:35 2011  
 Quant Method : O:\Forensics\Data\airlab10\110106FG\R104276.D  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Sat Oct 30 10:36:20 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj :  
 Signal Phase :  
 Signal Info :



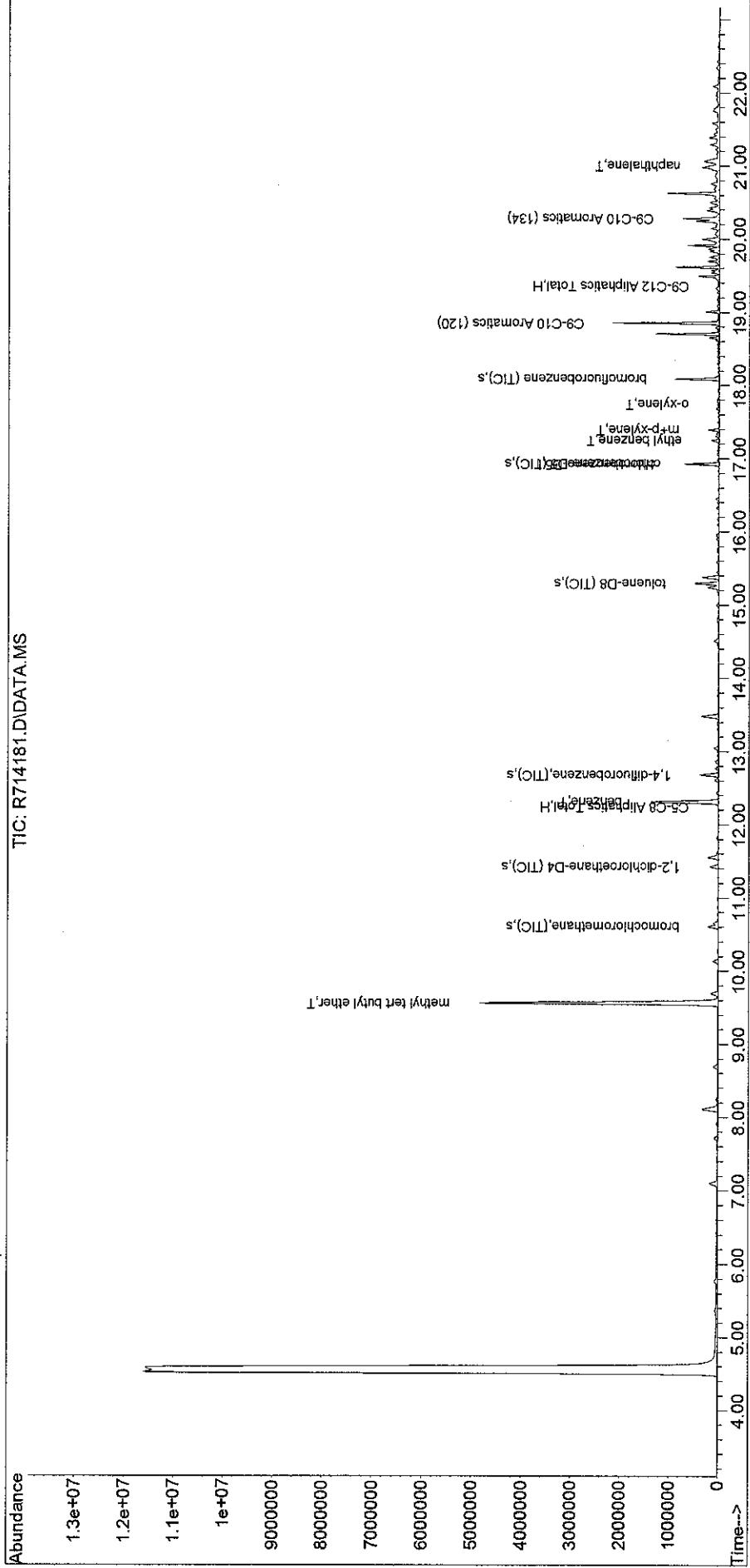
**APH**

## Sub List : APH\_STD\_M - .ion Report (QT Reviewed)

Data Path : O:\Forensics\DATA\Airlab7\2010\101230A\  
 Data File : R714181.D  
 Acq On : 30 Dec 2010 8:27 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020382-01D,3,25,250  
 Misc : WG449913,ICAL5560  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 05 11:12:24 2011  
 Quant Method : O:\Forensics\DATA\Airlab7\2010\101230A\APH101229.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Dec 30 10:02:10 2010  
 Response via : Initial Calibration

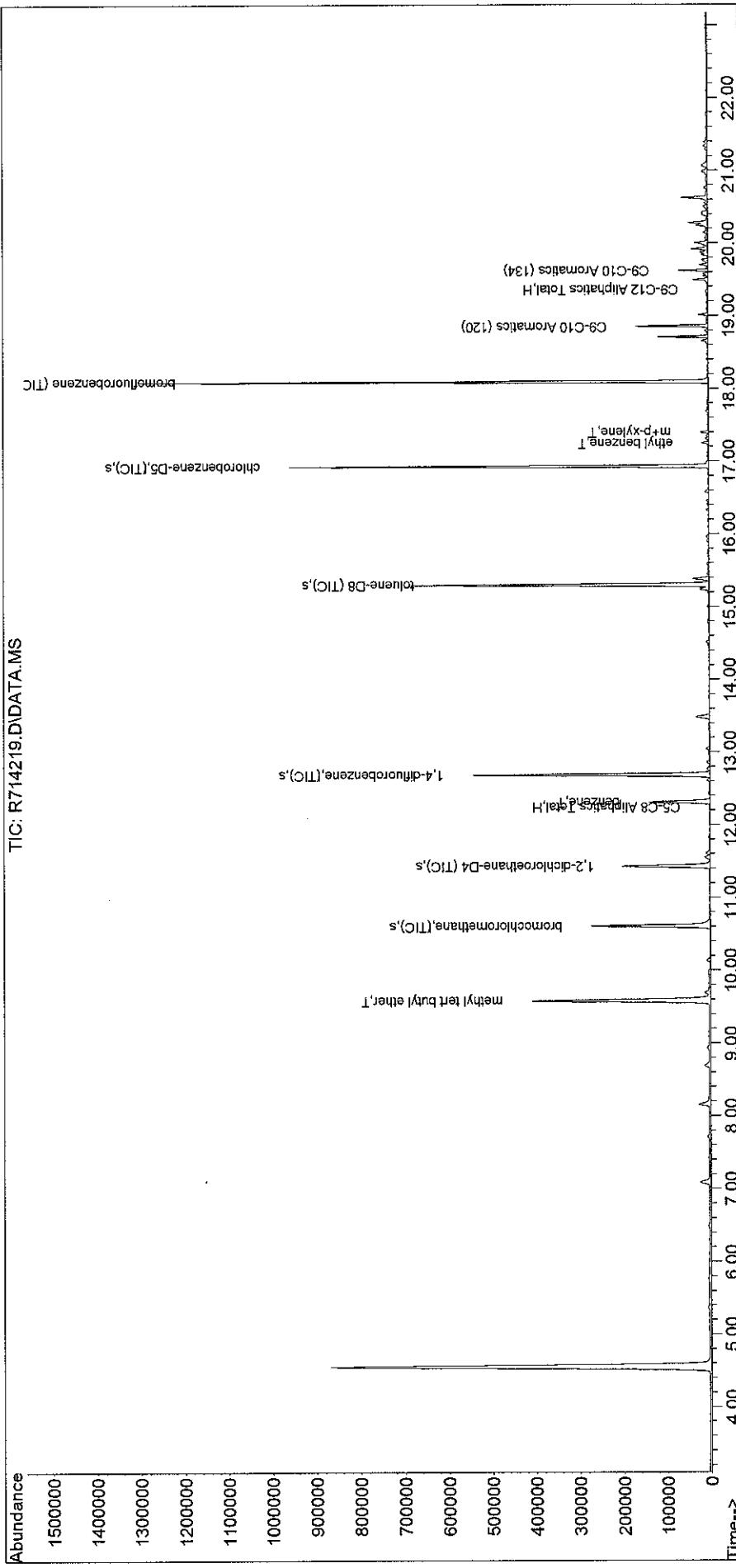
TIC: R714181.D\DATA\MS



Sub List : APH\_STD.M - .ion Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2011\110103A\  
 Data File : R714219.D  
 Acq On : 4 Jan 2011 8:17 am  
 Operator : AIRLAB7:bs  
 Sample : L1020382-01D2,3,1.7909,250  
 Misc : WG449913,ICAL5560  
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 04 10:15:32 2011  
 Quant Method : O:\Forensics\Data\Airlab7\2011\110103A\APH101229.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Dec 30 10:02:10 2010  
 Response via : Initial Calibration



Sub List : APH\_STD.M - .ion Report (QT Reviewed)

Data Path : O:\Forensics\DATA\Airlab7\2010\101230A\  
 Data File : R714182.D  
 Acq On : 30 Dec 2010 9:00 pm  
 Operator : AIRLAB7:BS  
 Sample : LI1020382~02D,3,25,250  
 Misc : WG449913,ICALE5560  
 ALS Vial : 11 Sample Multiplier: 1

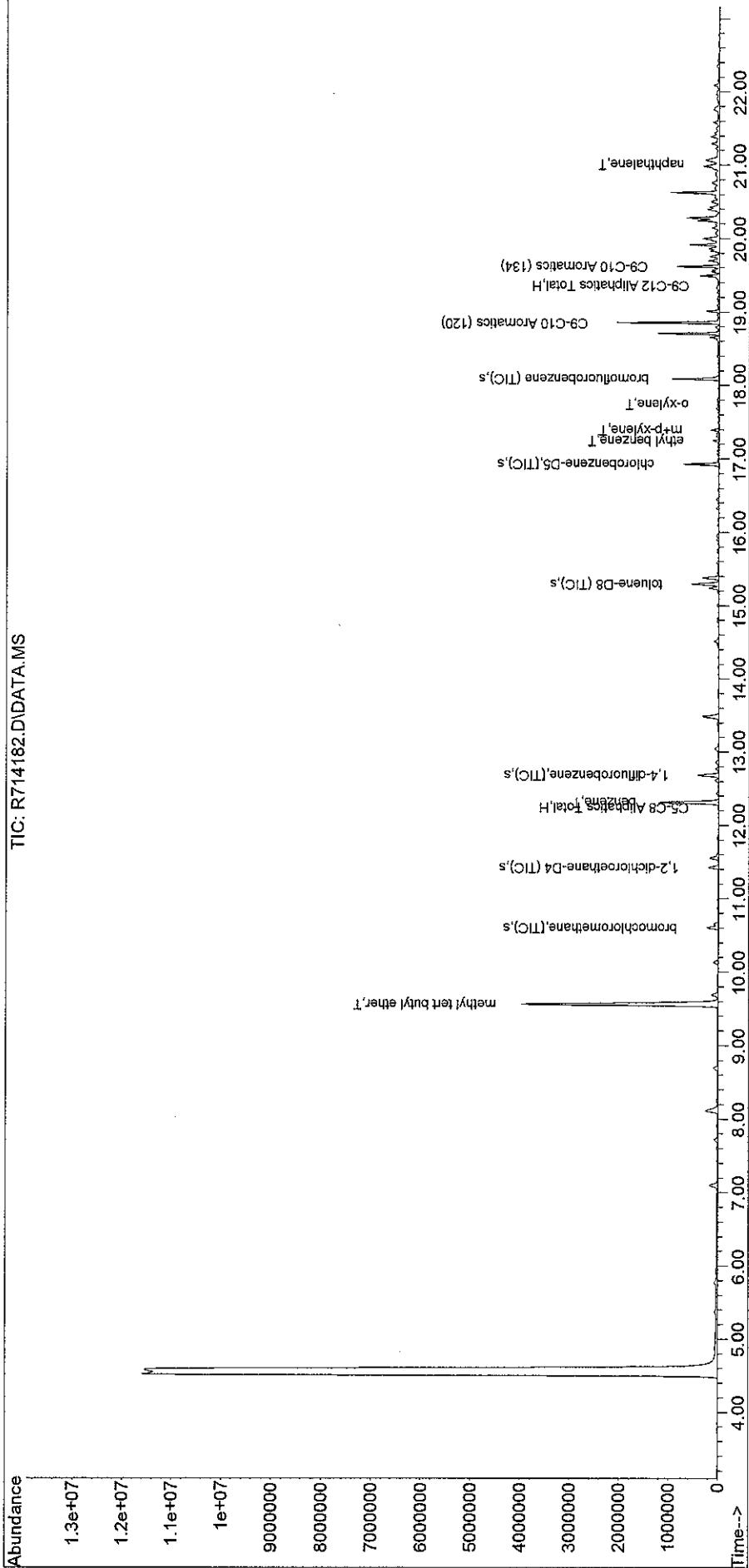
Quant Time: Jan 05 11:13:04 2011

Quant Method : O:\Forensics\DATA\Airlab7\2010\101230A\APH101229.M  
 Quant Title : APH Analysis

QLast Update : Thu Dec 30 10:02:10 2010

Response via : Initial Calibration

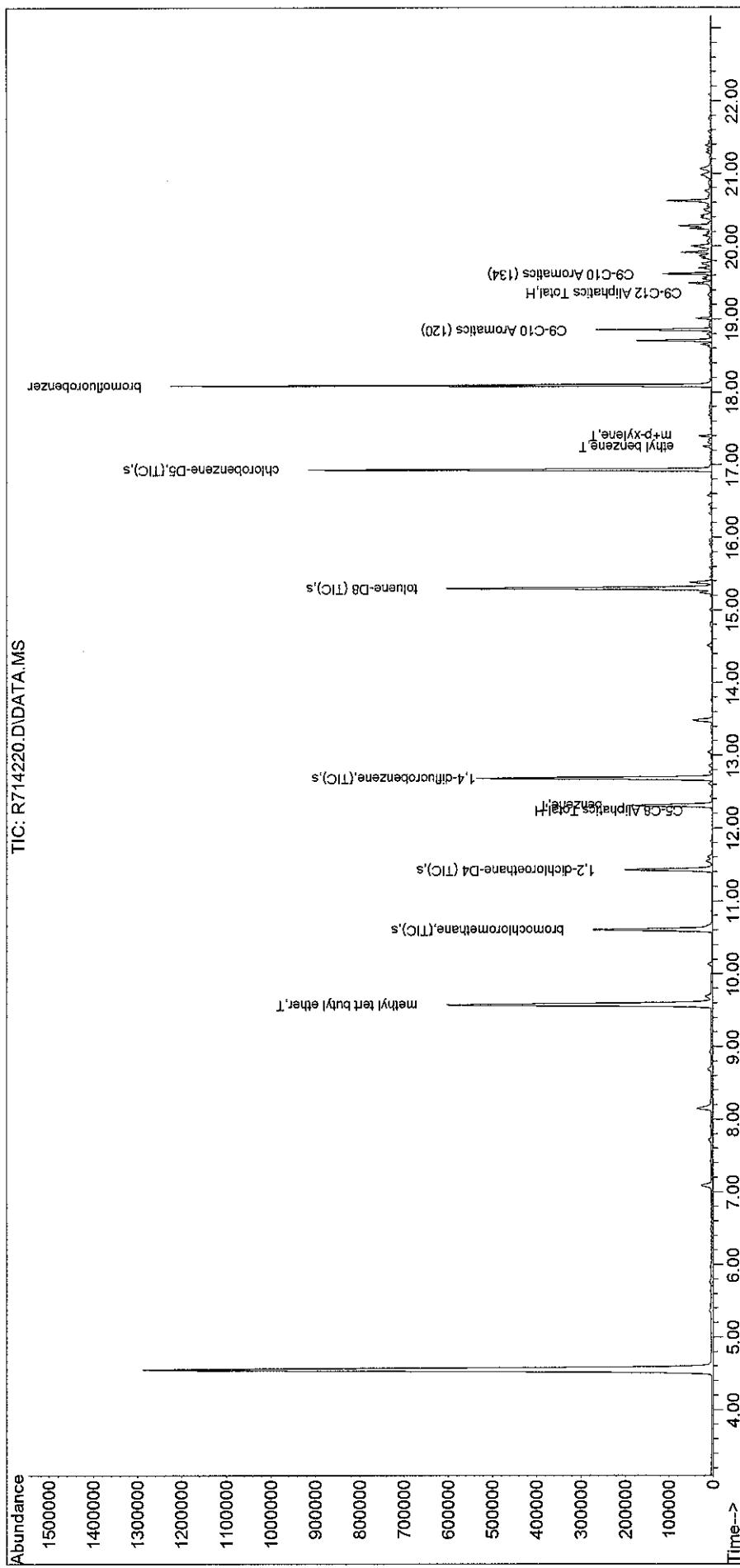
TIC: R714182.D\DATA.MS



## Sub List : APH\_STD\_M - .ion Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2011\110103A\  
 Data File : R714220.D  
 Acq On : 4 Jan 2011 8:52 am  
 Operator : AIRLAB7:bs  
 Sample : L1020382-02D2,3,2.6997,250  
 Misc : WG449913,ICAL5560  
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 04 10:16:15 2011  
 Quant Method : O:\Forensics\Data\Airlab7\2011\110103A\APH101229.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Dec 30 10:02:10 2010  
 Response via : Initial Calibration



Sub List : APH\_STD\_M - .ion Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230A\  
 Data File : R714183.D  
 Acq On : 30 Dec 2010 9:34 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020382-03,3,250,250  
 Misc : WG449913,ICAL5560  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 05 11:13:52 2011

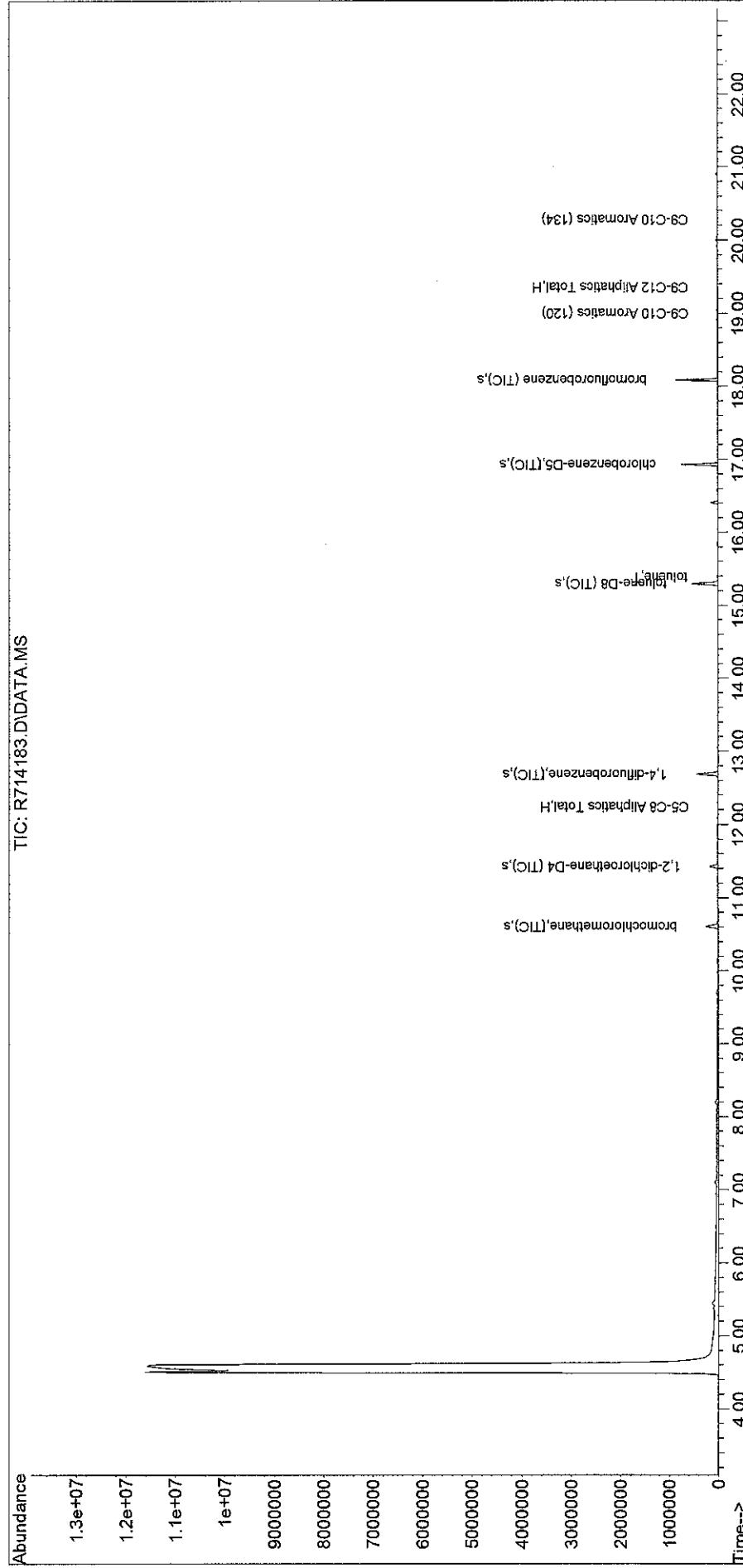
Quant Method : O:\Forensics\Data\Airlab7\2010\101230A\APH101229.M

Quant Title : APH Analysis

QLast Update : Thu Dec 30 10:02:10 2010

Response via : Initial Calibration

TIC: R714183.D\DATA.MS

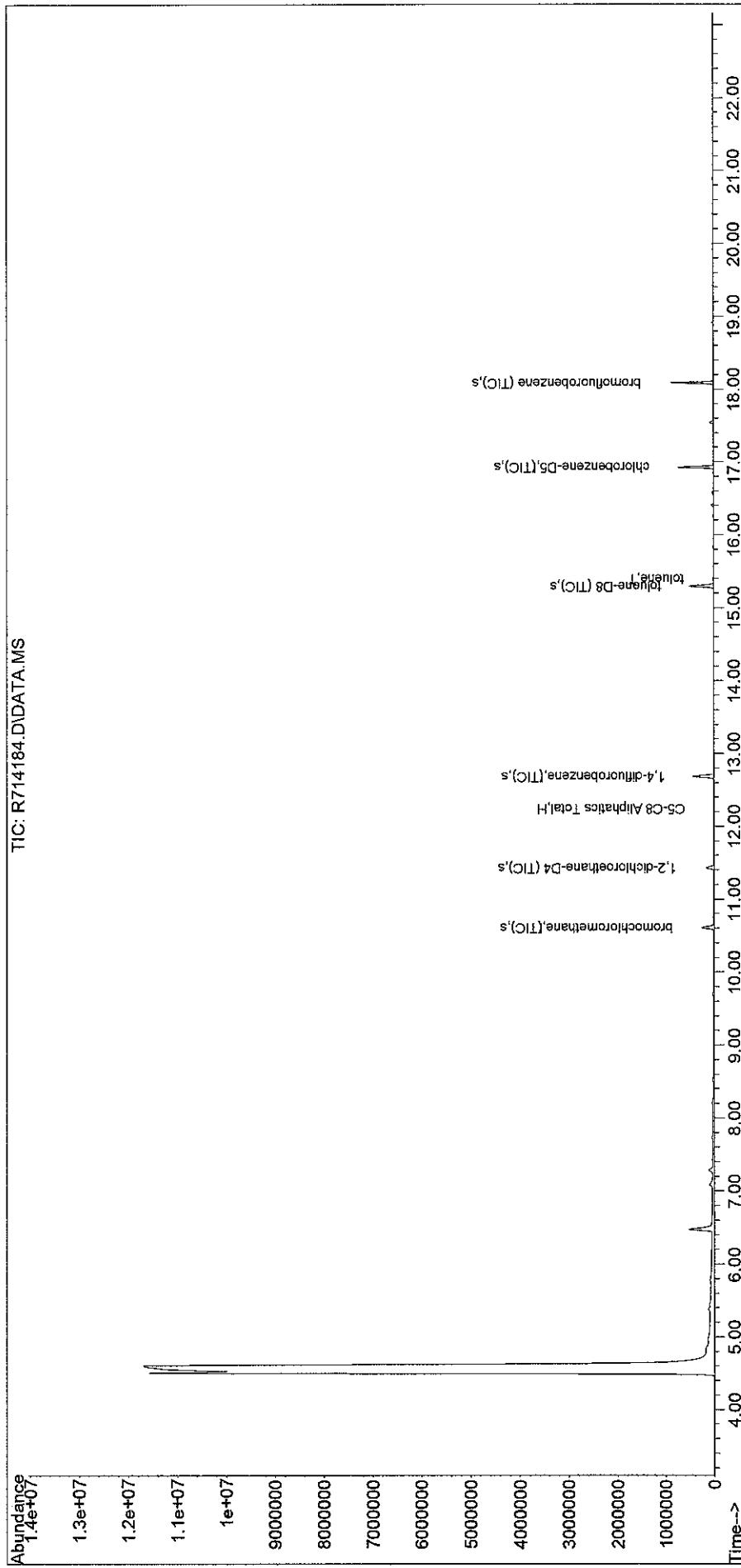


Sub List : APH\_STD\_M - .ion Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230A\  
 Data File : R714184.D  
 Acq On : 30 Dec 2010 10:07 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020382-04,3,250,250  
 Misc : WG449913,ICAL5560  
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 05 11:14:25 2011  
 Quant Method : O:\Forensics\Data\Airlab7\2010\101230A\APH101229.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Dec 30 10:02:10 2010  
 Response via : Initial Calibration

TIC: R714184.D\DATA.MS

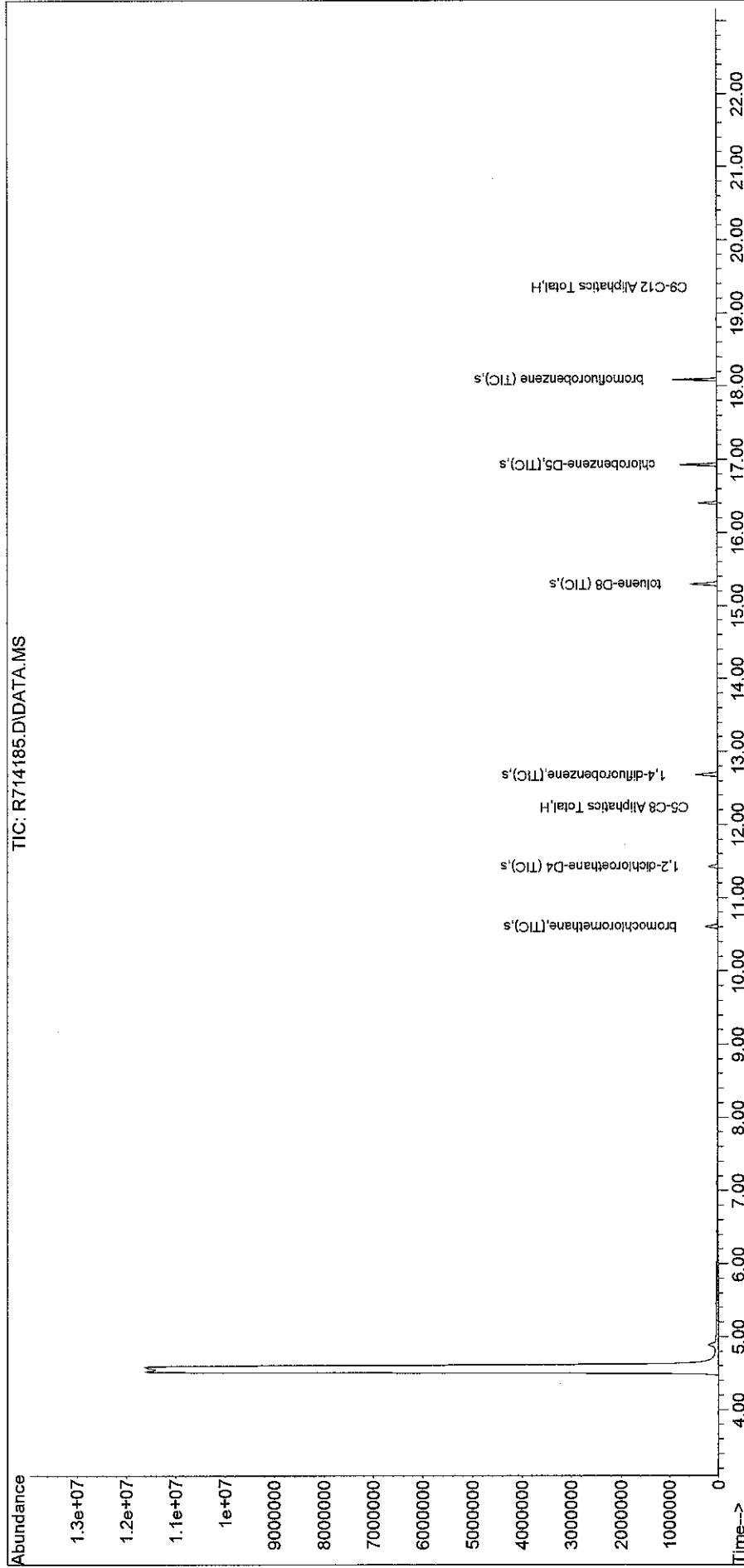


Sub List : APH\_STD.M - .ion Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230A\  
 Data File : R714185.D  
 Acq On : 30 Dec 2010 10:41 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020382-05,3,250,250  
 Misc : WG449913,ICAL5560  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 05 11:14:50 2011  
 Quant Method : O:\Forensics\Data\Airlab7\2010\101230A\APH101229.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Dec 30 10:02:10 2010  
 Response via : Initial Calibration

TIC: R714185.D\DATA.MS



Sub List : APH\_STD\_M - .ion Report (QT Reviewed)

Data Path : O:\Forensics\Data\AirLab7\2010\101230A\  
 Data File : R714186.D  
 Acq On : 30 Dec 2010 11:15 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020382-06,3,250,250  
 Misc : WG449913,ICAI5560  
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 05 11:15:24 2011

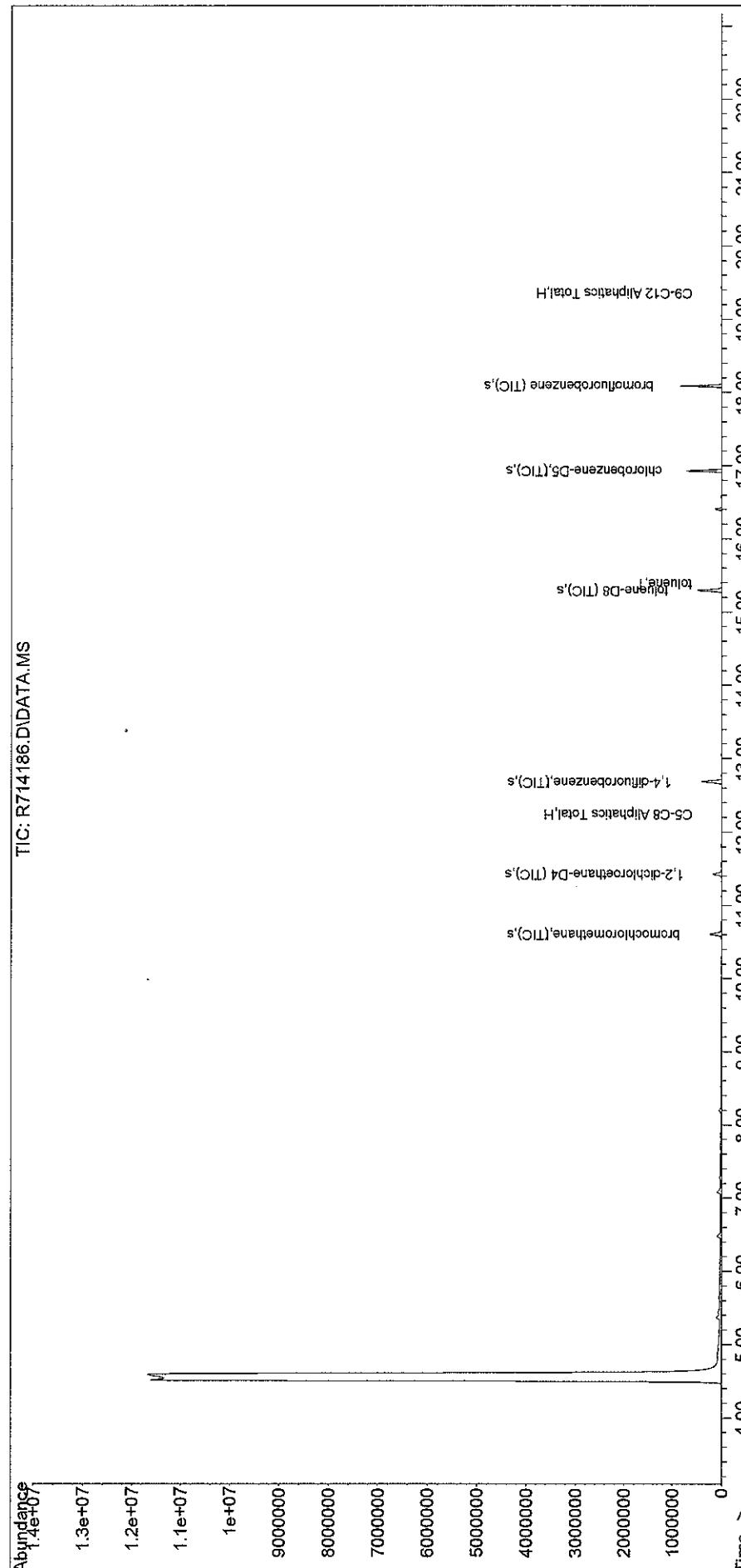
Quant Method : O:\Forensics\Data\AirLab7\2010\101230A\APH101229.M

Quant Title : APH Analysis

QLast Update : Thu Dec 30 10:02:10 2010

Response via : Initial Calibration

TIC: R714186.D\DATA.MS







## ANALYTICAL REPORT

|                 |  |
|-----------------|--|
| Lab Number:     | L1020384   |
| Client:         | Maine DEP-Div. of Technical Services<br>Division of Technical Services<br>312 Canco Road<br>Portland, ME 04103 |
| ATTN:           | Peter Eremita  |
| Phone:          | (207) 592-0592   |
| Project Name:   | CHRISTIE'S LEWISTON  |
| Project Number: | Not Specified  |
| Report Date:    | 01/07/11   |

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Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LA000299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

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



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> |
|----------------------------|------------------|----------------------------|---------------------------------|
| L1020384-01                | SSV-03           | LEWISTON, MAINE            | 12/21/10 11:00                  |
| L1020384-02                | LABONTE BASEMENT | LEWISTON, MAINE            | 12/21/10 11:03                  |
| L1020384-03                | SV-102-4         | LEWISTON, MAINE            | 12/21/10 09:56                  |
| L1020384-04                | SV-106-4         | LEWISTON, MAINE            | 12/21/10 09:58                  |
| L1020384-05                | SV-107-3         | LEWISTON, MAINE            | 12/21/10 10:38                  |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

### MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

|  |   |     |
|--|---|-----|
| <b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b> |   |     |
| A  | Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? | YES |
| B  | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?  | YES |
| C  | Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?  | YES |
| D  | Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"                      | YES |
| E a.   | VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).   | YES |
| E b.   | APH and TO-15 Methods only: Was the complete analyte list reported for each method?   | YES |
| F  | Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?                                   | YES |

|  |   |     |
|--|---|-----|
| <b>A response to questions G, H and I is required for "Presumptive Certainty" status</b> |   |     |
| G  | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)? | YES |
| H  | Were all QC performance standards specified in the CAM protocol(s) achieved?                              | YES |
| I  | Were results reported for the complete analyte list specified in the selected CAM protocol(s)?            | YES |

**For any questions answered "No", please refer to the case narrative section on the following page(s).**

Please note that sample matrix information is located in the Sample Results section of this report.



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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#### MCP Related Narratives

Canisters were released from the laboratory on December 13 and 17, 2010.

The canister certification data is provided as an addendum.

#### Volatile Organics in Air

The WG449914-3 LCS recovery for Tetrachloroethene (134%) is outside the 70%-130% acceptance limit.

The LCS was within overall method allowances, therefore the analysis proceeded.

#### Fixed Gas

L1020384-01 through -05: Prior to sample analysis, the canisters were pressurized with UHP Hydrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Hydrogen resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

**Case Narrative (continued)**

Petroleum Hydrocarbons in Air

The WG449913-5 Laboratory Duplicate RPD, performed on L1020384-05, is above the acceptance criteria for C5-C8 Aliphatics (51%); however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

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

Authorized Signature:

*Kathleen M. O'Brien* Kathleen O'Brien

Title: Technical Director/Representative

Date: 01/07/11

**AIR**



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

**SAMPLE RESULTS**

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1020384-01     | Date Collected: | 12/21/10 11:00 |
| Client ID:        | SSV-03          | Date Received:  | 12/22/10       |
| Sample Location:  | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor      |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 12/31/10 08:24  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Trichloroethene   | 0.389   | 0.200 | --  | 2.09  | 1.07  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Tetrachloroethene   | 0.978   | 0.200 | --  | 6.63  | 1.36  | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 63         |           | 60-140              |
| Bromochloromethane  | 68         |           | 60-140              |
| chlorobenzene-d5    | 67         |           | 60-140              |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

**SAMPLE RESULTS**

|                   |                  |                 |                |
|-------------------|------------------|-----------------|----------------|
| Lab ID:           | L1020384-02      | Date Collected: | 12/21/10 11:03 |
| Client ID:        | LABONTE BASEMENT | Date Received:  | 12/22/10       |
| Sample Location:  | LEWISTON, MAINE  | Field Prep:     | Not Specified  |
| Matrix:           | Air              |                 |                |
| Anaytical Method: | 48,TO-15-SIM     |                 |                |
| Analytical Date:  | 12/30/10 21:21   |                 |                |
| Analyst:          | BS               |                 |                |

| Parameter  | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|--|---------|-------|-----|-------|-------|-----------|-----------------|
|  |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air by SIM - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride   | ND      | 0.020 | --  | ND    | 0.051 | --        | 1               |
| 1,1-Dichloroethene                                     | ND      | 0.020 | --  | ND    | 0.079 | --        | 1               |
| trans-1,2-Dichloroethene                               | ND      | 0.020 | --  | ND    | 0.079 | --        | 1               |
| 1,1-Dichloroethane                                     | ND      | 0.020 | --  | ND    | 0.081 | --        | 1               |
| cis-1,2-Dichloroethene                                 | 0.035   | 0.020 | --  | 0.139 | 0.079 | --        | 1               |
| 1,2-Dichloroethane                                     | 0.184   | 0.020 | --  | 0.744 | 0.081 | --        | 1               |
| 1,1,1-Trichloroethane                                  | ND      | 0.020 | --  | ND    | 0.109 | --        | 1               |
| Trichloroethene  | 0.630   | 0.020 | --  | 3.38  | 0.107 | --        | 1               |
| 1,2-Dibromoethane                                      | ND      | 0.020 | --  | ND    | 0.154 | --        | 1               |
| Tetrachloroethene                                      | 0.870   | 0.020 | --  | 5.90  | 0.136 | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-difluorobenzene | 124        |           | 60-140              |
| bromochloromethane  | 110        |           | 60-140              |
| chlorobenzene-d5    | 126        |           | 60-140              |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

**SAMPLE RESULTS**

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1020384-03     | Date Collected: | 12/21/10 09:56 |
| Client ID:        | SV-102-4        | Date Received:  | 12/22/10       |
| Sample Location:  | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor      |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 12/31/10 08:58  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND    | 1.07  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND    | 1.36  | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 69         |           | 60-140              |
| Bromochloromethane  | 70         |           | 60-140              |
| chlorobenzene-d5    | 72         |           | 60-140              |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

**SAMPLE RESULTS**

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1020384-04     | Date Collected: | 12/21/10 09:58 |
| Client ID:        | SV-106-4        | Date Received:  | 12/22/10       |
| Sample Location:  | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor      |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 12/30/10 18:48  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Trichloroethene   | 1.29    | 0.200 | --  | 6.90  | 1.07  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Tetrachloroethene   | 12.9    | 0.200 | --  | 87.7  | 1.36  | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 62         |           | 60-140              |
| Bromochloromethane  | 68         |           | 60-140              |
| chlorobenzene-d5    | 66         |           | 60-140              |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

**SAMPLE RESULTS**

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1020384-05     | Date Collected: | 12/21/10 10:38 |
| Client ID:        | SV-107-3        | Date Received:  | 12/22/10       |
| Sample Location:  | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:           | Soil_Vapor      |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 12/30/10 19:22  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND    | 0.809 | --        | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND    | 1.09  | --        | 1               |
| Trichloroethene   | 0.208   | 0.200 | --  | 1.12  | 1.07  | --        | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND    | 1.54  | --        | 1               |
| Tetrachloroethene   | 1.20    | 0.200 | --  | 8.17  | 1.36  | --        | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 71         |           | 60-140              |
| Bromochloromethane  | 70         |           | 60-140              |
| chlorobenzene-d5    | 68         |           | 60-140              |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 48,TO-15  
Analytical Date: 12/30/10 13:05

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL | Qualifier       |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01,03-05 Batch: WG449914-4</b> |         |       |     |         |       |     |                 |
| Vinyl chloride  | ND      | 0.200 | --  | ND      | 0.511 | --  | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| trans-1,2-Dichloroethene  | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  | 1               |
| cis-1,2-Dichloroethene  | ND      | 0.200 | --  | ND      | 0.792 | --  | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  | 1               |
| 1,1,1-Trichloroethane   | ND      | 0.200 | --  | ND      | 1.09  | --  | 1               |
| Trichloroethene   | ND      | 0.200 | --  | ND      | 1.07  | --  | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND      | 1.54  | --  | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND      | 1.36  | --  | 1               |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM  
Analytical Date: 12/30/10 13:25

| Parameter  | ppbV    |       |     | ug/m3   |       |     | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------------|
|  | Results | RL    | MDL | Results | RL    | MDL |                 |
| <b>Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02 Batch: WG449921-4</b> |         |       |     |         |       |     |                 |
| Dichlorodifluoromethane  | ND      | 0.050 | --  | ND      | 0.247 | --  | 1               |
| Chloromethane  | ND      | 0.500 | --  | ND      | 1.03  | --  | 1               |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane   | ND      | 0.050 | --  | ND      | 0.349 | --  | 1               |
| Vinyl chloride   | ND      | 0.020 | --  | ND      | 0.051 | --  | 1               |
| 1,3-Butadiene  | ND      | 0.020 | --  | ND      | 0.044 | --  | 1               |
| Bromomethane   | ND      | 0.020 | --  | ND      | 0.078 | --  | 1               |
| Chloroethane   | ND      | 0.020 | --  | ND      | 0.053 | --  | 1               |
| Acetone  | ND      | 2.00  | --  | ND      | 4.75  | --  | 1               |
| Trichlorofluoromethane   | ND      | 0.050 | --  | ND      | 0.281 | --  | 1               |
| Acrylonitrile  | ND      | 0.500 | --  | ND      | 1.08  | --  | 1               |
| 1,1-Dichloroethene   | ND      | 0.020 | --  | ND      | 0.079 | --  | 1               |
| Methylene chloride   | ND      | 1.00  | --  | ND      | 3.47  | --  | 1               |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane  | ND      | 0.050 | --  | ND      | 0.383 | --  | 1               |
| Halothane  | ND      | 0.050 | --  | ND      | 0.403 | --  | 1               |
| trans-1,2-Dichloroethene   | ND      | 0.020 | --  | ND      | 0.079 | --  | 1               |
| 1,1-Dichloroethane   | ND      | 0.020 | --  | ND      | 0.081 | --  | 1               |
| Methyl tert butyl ether  | ND      | 0.020 | --  | ND      | 0.072 | --  | 1               |
| 2-Butanone   | ND      | 0.500 | --  | ND      | 1.47  | --  | 1               |
| cis-1,2-Dichloroethene   | ND      | 0.020 | --  | ND      | 0.079 | --  | 1               |
| Chloroform   | ND      | 0.020 | --  | ND      | 0.098 | --  | 1               |
| 1,2-Dichloroethane   | ND      | 0.020 | --  | ND      | 0.081 | --  | 1               |
| 1,1,1-Trichloroethane  | ND      | 0.020 | --  | ND      | 0.109 | --  | 1               |
| Benzene  | ND      | 0.100 | --  | ND      | 0.319 | --  | 1               |
| Carbon tetrachloride   | ND      | 0.020 | --  | ND      | 0.126 | --  | 1               |
| 1,2-Dichloropropane  | ND      | 0.020 | --  | ND      | 0.092 | --  | 1               |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM  
Analytical Date: 12/30/10 13:25

| Parameter  | ppbV    |       |     | ug/m3   |       |     | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------------|
|  | Results | RL    | MDL | Results | RL    | MDL |                 |
| <b>Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02 Batch: WG449921-4</b> |         |       |     |         |       |     |                 |
| Bromodichloromethane   | ND      | 0.020 | --  | ND      | 0.134 | --  | 1               |
| Trichloroethene  | ND      | 0.020 | --  | ND      | 0.107 | --  | 1               |
| 1,4-Dioxane  | ND      | 0.100 | --  | ND      | 0.360 | --  | 1               |
| cis-1,3-Dichloropropene  | ND      | 0.020 | --  | ND      | 0.091 | --  | 1               |
| 4-Methyl-2-pentanone   | ND      | 0.500 | --  | ND      | 2.05  | --  | 1               |
| trans-1,3-Dichloropropene  | ND      | 0.020 | --  | ND      | 0.091 | --  | 1               |
| 1,1,2-Trichloroethane  | ND      | 0.020 | --  | ND      | 0.109 | --  | 1               |
| Toluene  | ND      | 0.050 | --  | ND      | 0.188 | --  | 1               |
| Dibromochloromethane   | ND      | 0.020 | --  | ND      | 0.170 | --  | 1               |
| 1,2-Dibromoethane  | ND      | 0.020 | --  | ND      | 0.154 | --  | 1               |
| Tetrachloroethene  | ND      | 0.020 | --  | ND      | 0.136 | --  | 1               |
| 1,1,1,2-Tetrachloroethane  | ND      | 0.020 | --  | ND      | 0.137 | --  | 1               |
| Chlorobenzene  | ND      | 0.020 | --  | ND      | 0.092 | --  | 1               |
| Ethylbenzene   | ND      | 0.020 | --  | ND      | 0.087 | --  | 1               |
| p/m-Xylene   | ND      | 0.040 | --  | ND      | 0.174 | --  | 1               |
| Bromoform  | ND      | 0.020 | --  | ND      | 0.206 | --  | 1               |
| Styrene  | ND      | 0.020 | --  | ND      | 0.085 | --  | 1               |
| 1,1,2,2-Tetrachloroethane  | ND      | 0.020 | --  | ND      | 0.137 | --  | 1               |
| o-Xylene   | ND      | 0.020 | --  | ND      | 0.087 | --  | 1               |
| Isopropylbenzene   | ND      | 0.500 | --  | ND      | 2.46  | --  | 1               |
| 1,3,5-Trimethylbenzene   | ND      | 0.020 | --  | ND      | 0.098 | --  | 1               |
| 1,2,4-Trimethylbenzene   | ND      | 0.020 | --  | ND      | 0.098 | --  | 1               |
| 1,3-Dichlorobenzene  | ND      | 0.020 | --  | ND      | 0.120 | --  | 1               |
| 1,4-Dichlorobenzene  | ND      | 0.020 | --  | ND      | 0.120 | --  | 1               |
| sec-Butylbenzene   | ND      | 0.500 | --  | ND      | 2.74  | --  | 1               |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 48,TO-15-SIM  
Analytical Date: 12/30/10 13:25

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |                 |
| Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02 Batch: WG449921-4 |         |       |     |         |       |     |                 |
| p-Isopropyltoluene  | ND      | 0.500 | --  | ND      | 2.74  | --  | 1               |
| 1,2-Dichlorobenzene   | ND      | 0.020 | --  | ND      | 0.120 | --  | 1               |
| n-Butylbenzene  | ND      | 0.500 | --  | ND      | 2.74  | --  | 1               |
| 1,2,4-Trichlorobenzene  | ND      | 0.050 | --  | ND      | 0.371 | --  | 1               |
| Naphthalene   | ND      | 0.050 | --  | ND      | 0.262 | --  | 1               |
| 1,2,3-Trichlorobenzene  | ND      | 0.050 | --  | ND      | 0.371 | --  | 1               |
| Hexachlorobutadiene   | ND      | 0.050 | --  | ND      | 0.533 | --  | 1               |



# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,03-05 Batch: WG449914-3 |                  |      |                   |      |                     |     |      |            |
| Vinyl chloride  | 72               |      | -                 |      | 70-130              | -   |      |            |
| 1,1-Dichloroethene  | 84               |      | -                 |      | 70-130              | -   |      |            |
| trans-1,2-Dichloroethene  | 83               |      | -                 |      | 70-130              | -   |      |            |
| 1,1-Dichloroethane  | 80               |      | -                 |      | 70-130              | -   |      |            |
| cis-1,2-Dichloroethene  | 85               |      | -                 |      | 70-130              | -   |      |            |
| 1,2-Dichloroethane  | 94               |      | -                 |      | 70-130              | -   |      |            |
| 1,1,1-Trichloroethane   | 102              |      | -                 |      | 70-130              | -   |      |            |
| Trichloroethene   | 105              |      | -                 |      | 70-130              | -   |      |            |
| 1,2-Dibromoethane   | 90               |      | -                 |      | 70-130              | -   |      |            |
| Tetrachloroethene   | 134              | Q    | -                 |      | 70-130              | -   |      |            |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02 Batch: WG449921-3 |                  |      |                   |      |                     |     |      |            |
| Dichlorodifluoromethane  | 80               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Chloromethane  | 73               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane   | 81               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Vinyl chloride   | 81               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| 1,3-Butadiene  | 79               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Bromomethane   | 79               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Chloroethane   | 79               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Acetone  | 96               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Trichlorofluoromethane   | 84               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Acrylonitrile  | 71               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| 1,1-Dichloroethene   | 84               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Methylene chloride   | 92               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane  | 83               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Halothane  | 80               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| trans-1,2-Dichloroethene   | 77               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| 1,1-Dichloroethane   | 86               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Methyl tert butyl ether  | 73               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| 2-Butanone   | 86               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| cis-1,2-Dichloroethene   | 80               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Chloroform   | 79               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| 1,2-Dichloroethane   | 75               | -    | -                 | -    | 70-130              | -   | -    | 25         |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02 Batch: WG449921-3 |                  |      |                   |      |                     |     |      |            |
| 1,1,1-Trichloroethane  | 98               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Benzene  | 77               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Carbon tetrachloride   | 101              | -    | -                 | -    | 70-130              | -   | -    | 25         |
| 1,2-Dichloropropane  | 89               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Bromodichloromethane   | 95               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Trichloroethylene  | 83               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| 1,4-Dioxane  | 74               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| cis-1,3-Dichloropropene  | 92               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| 4-Methyl-2-pentanone   | 84               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| trans-1,3-Dichloropropene  | 80               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| 1,1,2-Trichloroethane  | 94               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Toluene  | 72               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Dibromochloromethane   | 89               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| 1,2-Dibromoethane  | 84               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Tetrachloroethylene  | 78               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| 1,1,1,2-Tetrachloroethane  | 81               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Chlorobenzene  | 80               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Ethylbenzene   | 72               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| p/m-Xylene   | 79               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Bromoform  | 90               | -    | -                 | -    | 70-130              | -   | -    | 25         |
| Styrene  | 74               | -    | -                 | -    | 70-130              | -   | -    | 25         |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02 Batch: WG449921-3 |                  |      |                   |      |                     |     |      |            |
| 1,1,2,2-Tetrachloroethane  | 89               |      | -                 |      | 70-130              | -   |      | 25         |
| o-Xylene   | 79               |      | -                 |      | 70-130              | -   |      | 25         |
| Isopropylbenzene   | 75               |      | -                 |      | 70-130              | -   |      | 25         |
| 1,3,5-Trimethylbenzene   | 82               |      | -                 |      | 70-130              | -   |      | 25         |
| 1,2,4-Trimethylbenzene   | 85               |      | -                 |      | 70-130              | -   |      | 25         |
| 1,3-Dichlorobenzene  | 87               |      | -                 |      | 70-130              | -   |      | 25         |
| 1,4-Dichlorobenzene  | 84               |      | -                 |      | 70-130              | -   |      | 25         |
| sec-Butylbenzene   | 82               |      | -                 |      | 70-130              | -   |      | 25         |
| p-Isopropyltoluene   | 74               |      | -                 |      | 70-130              | -   |      | 25         |
| 1,2-Dichlorobenzene  | 84               |      | -                 |      | 70-130              | -   |      | 25         |
| n-Butylbenzene   | 85               |      | -                 |      | 70-130              | -   |      | 25         |
| 1,2,4-Trichlorobenzene   | 57               | Q    | -                 |      | 70-130              | -   |      | 25         |
| Naphthalene  | 56               | Q    | -                 |      | 70-130              | -   |      | 25         |
| 1,2,3-Trichlorobenzene   | 59               | Q    | -                 |      | 70-130              | -   |      | 25         |
| Hexachlorobutadiene  | 73               |      | -                 |      | 70-130              | -   |      | 25         |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,03-05 QC Batch ID: WG449914-5 QC Sample: L1020384-05 Client ID: SV-107-3 |               |                  |       |     |      |            |
| Vinyl chloride   | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,1-Dichloroethene   | ND            | ND               | ppbV  | NC  |      | 25         |
| trans-1,2-Dichloroethene   | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,1-Dichloroethane   | ND            | ND               | ppbV  | NC  |      | 25         |
| cis-1,2-Dichloroethene   | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,2-Dichloroethane   | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,1,1-Trichloroethane  | ND            | ND               | ppbV  | NC  |      | 25         |
| Trichloroethene  | 0.208         | 0.228            | ppbV  | 9   |      | 25         |
| 1,2-Dibromoethane  | ND            | ND               | ppbV  | NC  |      | 25         |
| Tetrachloroethene  | 1.20          | 1.32             | ppbV  | 10  |      | 25         |

|   |       |       |      |   |    |
|---|-------|-------|------|---|----|
| Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG449921-5 QC Sample: L1020552-09 Client ID: DUP Sample |       |       |      |   |    |
| Trichloroethene   | 0.734 | 0.727 | ppbV | 1 | 25 |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

## SAMPLE RESULTS

|                    |                 |   |                    |                |
|--------------------|-----------------|---|--------------------|----------------|
| Lab ID:            | L1020384-01     | D | Date Collected:    | 12/21/10 11:00 |
| Client ID:         | SSV-03          |   | Date Received:     | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor      |   | Extraction Method: |                |
| Analytical Method: | 51,3C           |   |                    |                |
| Analytical Date:   | 01/06/11 23:55  |   |                    |                |
| Analyst:           | RY              |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 18.3   |           | %     | 2.06  | --  | 2.059           |
| Carbon Dioxide                           | ND     |           | %     | 0.206 | --  | 2.059           |
| Methane                                  | ND     |           | %     | 0.206 | --  | 2.059           |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

## SAMPLE RESULTS

|                    |                  |   |                    |                |
|--------------------|------------------|---|--------------------|----------------|
| Lab ID:            | L1020384-02      | D | Date Collected:    | 12/21/10 11:03 |
| Client ID:         | LABONTE BASEMENT |   | Date Received:     | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE  |   | Field Prep:        | Not Specified  |
| Matrix:            | Air              |   | Extraction Method: |                |
| Analytical Method: | 51,3C            |   |                    |                |
| Analytical Date:   | 01/07/11 00:34   |   |                    |                |
| Analyst:           | RY               |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 19.2   |           | %     | 1.98  | --  | 1.981           |
| Carbon Dioxide                           | ND     |           | %     | 0.198 | --  | 1.981           |
| Methane                                  | ND     |           | %     | 0.198 | --  | 1.981           |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

## SAMPLE RESULTS

|                    |                 |   |                    |                |
|--------------------|-----------------|---|--------------------|----------------|
| Lab ID:            | L1020384-03     | D | Date Collected:    | 12/21/10 09:56 |
| Client ID:         | SV-102-4        |   | Date Received:     | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor      |   | Extraction Method: |                |
| Analytical Method: | 51,3C           |   |                    |                |
| Analytical Date:   | 01/07/11 01:14  |   |                    |                |
| Analyst:           | RY              |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL | MDL  | Dilution Factor |
|--|--------|-----------|-------|----|------|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |    |      |                 |
| Oxygen                                   | 19.2   | %         | 1.75  | -- | 1.75 |                 |
| Carbon Dioxide                           | 0.446  | %         | 0.175 | -- | 1.75 |                 |
| Methane                                  | ND     | %         | 0.175 | -- | 1.75 |                 |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

## SAMPLE RESULTS

|                    |                 |   |                    |                |
|--------------------|-----------------|---|--------------------|----------------|
| Lab ID:            | L1020384-04     | D | Date Collected:    | 12/21/10 09:58 |
| Client ID:         | SV-106-4        |   | Date Received:     | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor      |   | Extraction Method: |                |
| Analytical Method: | 51,3C           |   |                    |                |
| Analytical Date:   | 01/07/11 01:53  |   |                    |                |
| Analyst:           | RY              |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 19.2   |           | %     | 1.56  | --  | 1.555           |
| Carbon Dioxide                           | 0.443  |           | %     | 0.156 | --  | 1.555           |
| Methane                                  | ND     |           | %     | 0.156 | --  | 1.555           |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

## SAMPLE RESULTS

|                    |                 |   |                    |                |
|--------------------|-----------------|---|--------------------|----------------|
| Lab ID:            | L1020384-05     | D | Date Collected:    | 12/21/10 10:38 |
| Client ID:         | SV-107-3        |   | Date Received:     | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE |   | Field Prep:        | Not Specified  |
| Matrix:            | Soil_Vapor      |   | Extraction Method: |                |
| Analytical Method: | 51,3C           |   |                    |                |
| Analytical Date:   | 01/07/11 02:33  |   |                    |                |
| Analyst:           | RY              |   |                    |                |

| Parameter                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-----|-----------------|
| <b>Fixed Gases by GC - Mansfield Lab</b> |        |           |       |       |     |                 |
| Oxygen                                   | 19.5   |           | %     | 1.80  | --  | 1.795           |
| Carbon Dioxide                           | ND     |           | %     | 0.180 | --  | 1.795           |
| Methane                                  | ND     |           | %     | 0.180 | --  | 1.795           |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 51,3C  
Analytical Date: 01/06/11 18:58  
Analyst: RY

| Parameter  | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Fixed Gases by GC - Mansfield Lab for sample(s): 01-05 Batch: WG450576-2 |        |           |       |    |     |
| Oxygen   | ND     | %         | 1.00  | -- |     |
| Carbon Dioxide   | ND     | %         | 0.100 | -- |     |
| Methane  | ND     | %         | 0.100 | -- |     |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 Batch: WG450576-1 |                  |      |                   |      |                     |     |      |            |
| Oxygen  | 90               |      | -                 |      | 80-120              | -   |      |            |
| Carbon Dioxide  | 102              |      | -                 |      | 80-120              | -   |      |            |
| Methane   | 104              |      | -                 |      | 80-120              | -   |      |            |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG450576-10 QC Sample: L1020384-02 Client ID: LABONTE BASEMENT |               |                  |       |     |      |            |
| Oxygen  | 19.2          | 19.1             | %     | 1   |      | 5          |
| Carbon Dioxide  | ND            | ND               | %     | NC  |      | 5          |
| Methane   | ND            | ND               | %     | NC  |      | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG450576-11 QC Sample: L1020384-03 Client ID: SV-102-4         |               |                  |       |     |      |            |
| Oxygen  | 19.2          | 19.1             | %     | 1   |      | 5          |
| Carbon Dioxide  | 0.446         | 0.444            | %     | 0   |      | 5          |
| Methane   | ND            | ND               | %     | NC  |      | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG450576-12 QC Sample: L1020384-04 Client ID: SV-106-4         |               |                  |       |     |      |            |
| Oxygen  | 19.2          | 19.2             | %     | 0   |      | 5          |
| Carbon Dioxide  | 0.443         | 0.443            | %     | 0   |      | 5          |
| Methane   | ND            | ND               | %     | NC  |      | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG450576-13 QC Sample: L1020384-05 Client ID: SV-107-3         |               |                  |       |     |      |            |
| Oxygen  | 19.5          | 19.6             | %     | 1   |      | 5          |
| Carbon Dioxide  | ND            | ND               | %     | NC  |      | 5          |
| Methane   | ND            | ND               | %     | NC  |      | 5          |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|--|---------------|------------------|-------|-----|------------|
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG450576-3 QC Sample: L1020382-01 Client ID: DUP Sample |               |                  |       |     |            |
| Oxygen   | 17.4          | 18.3             | %     | 5   | 5          |
| Carbon Dioxide   | 1.24          | 1.25             | %     | 1   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG450576-4 QC Sample: L1020382-02 Client ID: DUP Sample |               |                  |       |     |            |
| Oxygen   | 18.5          | 18.2             | %     | 2   | 5          |
| Carbon Dioxide   | 1.27          | 1.27             | %     | 0   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG450576-5 QC Sample: L1020382-03 Client ID: DUP Sample |               |                  |       |     |            |
| Oxygen   | 19.0          | 19.0             | %     | 0   | 5          |
| Carbon Dioxide   | 0.739         | 0.739            | %     | 0   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG450576-6 QC Sample: L1020382-04 Client ID: DUP Sample |               |                  |       |     |            |
| Oxygen   | 18.3          | 18.1             | %     | 1   | 5          |
| Carbon Dioxide   | 0.919         | 0.923            | %     | 0   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|--|---------------|------------------|-------|-----|------------|
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG450576-7 QC Sample: L1020382-05 Client ID: DUP Sample |               |                  |       |     |            |
| Oxygen   | 19.3          | 19.3             | %     | 0   | 5          |
| Carbon Dioxide   | 0.373         | 0.373            | %     | 0   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG450576-8 QC Sample: L1020382-06 Client ID: DUP Sample |               |                  |       |     |            |
| Oxygen   | 18.3          | 18.3             | %     | 0   | 5          |
| Carbon Dioxide   | 0.686         | 0.684            | %     | 0   | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |
| Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG450576-9 QC Sample: L1020384-01 Client ID: SSV-03     |               |                  |       |     |            |
| Oxygen   | 18.3          | 19.0             | %     | 4   | 5          |
| Carbon Dioxide   | ND            | ND               | %     | NC  | 5          |
| Methane  | ND            | ND               | %     | NC  | 5          |

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

### SAMPLE RESULTS

|                    |                 |                 |                |
|--------------------|-----------------|-----------------|----------------|
| Lab ID:            | L1020384-01     | Date Collected: | 12/21/10 11:00 |
| Client ID:         | SSV-03          | Date Received:  | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor      |                 |                |
| Analytical Method: | 96,APH          |                 |                |
| Analytical Date:   | 12/31/10 08:24  |                 |                |
| Analyst:           | RY              |                 |                |

### Quality Control Information

|   |                      |
|---|----------------------|
| Sample Type:  | 30 Minute Composite  |
| Sample Container Type:  | Canister - 2.7 Liter |
| Sampling Flow Controller:   | Mechanical           |
| Sampling Zone:  | Unknown              |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%                |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                  |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                  |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                   |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | 2.8    |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 100    |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | 57     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | 26     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 62         |           | 50-200              |
| Bromochloromethane  | 68         |           | 50-200              |
| Chlorobenzene-d5    | 66         |           | 50-200              |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

### SAMPLE RESULTS

|                    |                  |                 |                |
|--------------------|------------------|-----------------|----------------|
| Lab ID:            | L1020384-02      | Date Collected: | 12/21/10 11:03 |
| Client ID:         | LABONTE BASEMENT | Date Received:  | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE  | Field Prep:     | Not Specified  |
| Matrix:            | Air              |                 |                |
| Analytical Method: | 96,APH           |                 |                |
| Analytical Date:   | 12/30/10 17:10   |                 |                |
| Analyst:           | RY               |                 |                |

### Quality Control Information

|   |                      |
|---|----------------------|
| Sample Type:  | 30 Minute Composite  |
| Sample Container Type:  | Canister - 2.7 Liter |
| Sampling Flow Controller:   | Mechanical           |
| Sampling Zone:  | Unknown              |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%                |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                  |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                  |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                   |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 26     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 60         |           | 50-200              |
| Bromochloromethane  | 64         |           | 50-200              |
| Chlorobenzene-d5    | 62         |           | 50-200              |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

### SAMPLE RESULTS

|                    |                 |                 |                |
|--------------------|-----------------|-----------------|----------------|
| Lab ID:            | L1020384-03     | Date Collected: | 12/21/10 09:56 |
| Client ID:         | SV-102-4        | Date Received:  | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor      |                 |                |
| Analytical Method: | 96,APH          |                 |                |
| Analytical Date:   | 12/31/10 08:58  |                 |                |
| Analyst:           | RY              |                 |                |

### Quality Control Information

|   |                      |
|---|----------------------|
| Sample Type:  | 30 Minute Composite  |
| Sample Container Type:  | Canister - 2.7 Liter |
| Sampling Flow Controller:   | Mechanical           |
| Sampling Zone:  | Unknown              |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%                |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                  |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                  |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                   |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | ND     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 68         |           | 50-200              |
| Bromoform           | 71         |           | 50-200              |
| Chlorobenzene-d5    | 70         |           | 50-200              |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

### SAMPLE RESULTS

|                    |                 |                 |                |
|--------------------|-----------------|-----------------|----------------|
| Lab ID:            | L1020384-04     | Date Collected: | 12/21/10 09:58 |
| Client ID:         | SV-106-4        | Date Received:  | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor      |                 |                |
| Analytical Method: | 96,APH          |                 |                |
| Analytical Date:   | 12/30/10 18:48  |                 |                |
| Analyst:           | RY              |                 |                |

### Quality Control Information

|   |                      |
|---|----------------------|
| Sample Type:  | 30 Minute Composite  |
| Sample Container Type:  | Canister - 2.7 Liter |
| Sampling Flow Controller:   | Mechanical           |
| Sampling Zone:  | Unknown              |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%                |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                  |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                  |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                   |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 24     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 61         |           | 50-200              |
| Bromoform           | 68         |           | 50-200              |
| Chlorobenzene-d5    | 65         |           | 50-200              |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

### SAMPLE RESULTS

|                    |                 |                 |                |
|--------------------|-----------------|-----------------|----------------|
| Lab ID:            | L1020384-05     | Date Collected: | 12/21/10 10:38 |
| Client ID:         | SV-107-3        | Date Received:  | 12/22/10       |
| Sample Location:   | LEWISTON, MAINE | Field Prep:     | Not Specified  |
| Matrix:            | Soil_Vapor      |                 |                |
| Analytical Method: | 96,APH          |                 |                |
| Analytical Date:   | 12/30/10 19:22  |                 |                |
| Analyst:           | RY              |                 |                |

### Quality Control Information

|   |                      |
|---|----------------------|
| Sample Type:  | 30 Minute Composite  |
| Sample Container Type:  | Canister - 2.7 Liter |
| Sampling Flow Controller:   | Mechanical           |
| Sampling Zone:  | Unknown              |
| Sampling Flow Meter RPD of pre & post-sampling calibration check:               | <=20%                |
| Were all QA/QC procedures REQUIRED by the method followed?                      | Yes                  |
| Were all performance/acceptance standards for the required procedures achieved? | Yes                  |
| Were significant modifications made to the method as specified in Sect 11.1.2?  | No                   |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | 27     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 69         |           | 50-200              |
| Bromoform           | 71         |           | 50-200              |
| Chlorobenzene-d5    | 67         |           | 50-200              |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 96,APH  
Analytical Date: 12/30/10 13:05  
Analyst: RY

| Parameter  | Result | Qualifier | Units      | RL  | MDL |
|--|--------|-----------|------------|-----|-----|
| Petroleum Hydrocarbons in Air - Mansfield Lab for sample(s): | 01-05  | Batch:    | WG449913-4 |     |     |
| 1,3-Butadiene  | ND     |           | ug/m3      | 2.0 | --  |
| Methyl tert butyl ether                                      | ND     |           | ug/m3      | 2.0 | --  |
| Benzene  | ND     |           | ug/m3      | 2.0 | --  |
| Toluene  | ND     |           | ug/m3      | 2.0 | --  |
| C5-C8 Aliphatics, Adjusted                                   | ND     |           | ug/m3      | 12  | --  |
| Ethylbenzene   | ND     |           | ug/m3      | 2.0 | --  |
| p/m-Xylene   | ND     |           | ug/m3      | 4.0 | --  |
| o-Xylene   | ND     |           | ug/m3      | 2.0 | --  |
| Naphthalene  | ND     |           | ug/m3      | 2.0 | --  |
| C9-C12 Aliphatics, Adjusted                                  | ND     |           | ug/m3      | 14  | --  |
| C9-C10 Aromatics Total                                       | ND     |           | ug/m3      | 10  | --  |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG449913-3 |                  |      |                   |      |                     |     |      |            |
| 1,3-Butadiene   | 90               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Methyl tert butyl ether   | 92               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Benzene   | 96               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Toluene   | 99               | -    | -                 | -    | 70-130              | -   | -    | -          |
| C5-C8 Aliphatics, Adjusted  | 93               | -    | -                 | -    | 70-130              | -   | -    | -          |
| Ethylbenzene  | 100              | -    | -                 | -    | 70-130              | -   | -    | -          |
| p/m-Xylene  | 100              | -    | -                 | -    | 70-130              | -   | -    | -          |
| o-Xylene  | 100              | -    | -                 | -    | 70-130              | -   | -    | -          |
| Naphthalene   | 138              | -    | -                 | -    | 50-150              | -   | -    | -          |
| C9-C12 Aliphatics, Adjusted   | 116              | -    | -                 | -    | 70-130              | -   | -    | -          |
| C9-C10 Aromatics Total  | 90               | -    | -                 | -    | 70-130              | -   | -    | -          |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG449913-5 QC Sample: L1020384-05 Client ID: SV-107-3 |               |                  |       |     |      |            |
| 1,3-Butadiene  | ND            | ND               | ug/m3 | NC  |      | 30         |
| Methyl tert butyl ether  | ND            | ND               | ug/m3 | NC  |      | 30         |
| Benzene  | ND            | ND               | ug/m3 | NC  |      | 30         |
| Toluene  | ND            | ND               | ug/m3 | NC  |      | 30         |
| C5-C8 Aliphatics, Adjusted   | 27            | 16               | ug/m3 | 51  | Q    | 30         |
| Ethylbenzene   | ND            | ND               | ug/m3 | NC  |      | 30         |
| p/m-Xylene   | ND            | ND               | ug/m3 | NC  |      | 30         |
| o-Xylene   | ND            | ND               | ug/m3 | NC  |      | 30         |
| Naphthalene  | ND            | ND               | ug/m3 | NC  |      | 30         |
| C9-C12 Aliphatics, Adjusted  | ND            | ND               | ug/m3 | NC  |      | 30         |
| C9-C10 Aromatics Total   | ND            | ND               | ug/m3 | NC  |      | 30         |

**Project Name:** CHRISTIE'S LEWISTON

Serial\_No:01071114:29

**Project Number:**

Lab Number: L1020384

**Report Date:** 01/07/11

### Canister and Flow Controller Information

| Samplenum   | Client ID        | Media ID | Media Type | Cleaning Batch ID | Initial Pressure (in. Hg) | Pressure on Receipt (in. Hg) | Flow Out mL/min | Flow In mL/min | % RSD |
|-------------|------------------|----------|------------|-------------------|---------------------------|------------------------------|-----------------|----------------|-------|
| L1020384-01 | SSV-03           | 0379     | #20 SV     |                   | -                         | -                            | 69              | 70             | 1     |
| L1020384-01 | SSV-03           | 536      | 2.7L Can   | L1019640          | -28.3                     | -2.2                         | -               | -              | -     |
| L1020384-02 | LABONTE BASEMENT | 0049     | #30 AMB    |                   | -                         | -                            | 72              | 79             | 9     |
| L1020384-02 | LABONTE BASEMENT | 325      | 2.7L Can   | L1019640          | -28.2                     | -0.1                         | -               | -              | -     |
| L1020384-03 | SV-102-4         | 0102     | #90 SV     |                   | -                         | -                            | 72              | 74             | 3     |
| L1020384-03 | SV-102-4         | 501      | 2.7L Can   | L1019640          | -28.3                     | 2.8                          | -               | -              | -     |
| L1020384-04 | SV-106-4         | 0123     | #30 AMB    |                   | -                         | -                            | 66              | 77             | 15    |
| L1020384-04 | SV-106-4         | 358      | 2.7L Can   | L1019640          | -28.3                     | 2.6                          | -               | -              | -     |
| L1020384-05 | SV-107-3         | 0052     | #20 AMB    |                   | -                         | -                            | 68              | 75             | 10    |
| L1020384-05 | SV-107-3         | 425      | 2.7L Can   | L1019983          | -29.2                     | 2.0                          | -               | -              | -     |



## **Air Volatiles Can Certification**

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1019640  
**Report Date:** 01/07/11

### Air Canister Certification Results

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1019640-01     | Date Collected: | 12/08/10 00:00 |
| Client ID:        | CAN 158 SHELF 8 | Date Received:  | 12/08/10       |
| Sample Location:  |                 | Field Prep:     | Not Specified  |
| Matrix:           | Air             |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 12/11/10 20:14  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Chlorodifluoromethane                                       | ND      | 0.200 | --  | ND    | 0.707 | --        | 1               |
| Propylene   | ND      | 0.200 | --  | ND    | 0.344 | --        | 1               |
| Propane   | ND      | 0.200 | --  | ND    | 0.606 | --        | 1               |
| Dichlorodifluoromethane                                     | ND      | 0.200 | --  | ND    | 0.988 | --        | 1               |
| Chloromethane   | ND      | 0.200 | --  | ND    | 0.413 | --        | 1               |
| Freon-114   | ND      | 0.200 | --  | ND    | 1.40  | --        | 1               |
| Methanol  | ND      | 5.00  | --  | ND    | 6.55  | --        | 1               |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,3-Butadiene   | ND      | 0.200 | --  | ND    | 0.442 | --        | 1               |
| Butane  | ND      | 0.200 | --  | ND    | 0.475 | --        | 1               |
| Bromomethane  | ND      | 0.200 | --  | ND    | 0.776 | --        | 1               |
| Chloroethane  | ND      | 0.200 | --  | ND    | 0.527 | --        | 1               |
| Ethanol   | ND      | 2.50  | --  | ND    | 4.71  | --        | 1               |
| Dichlorofluoromethane                                       | ND      | 0.200 | --  | ND    | 0.841 | --        | 1               |
| Vinyl bromide   | ND      | 0.200 | --  | ND    | 0.874 | --        | 1               |
| Acrolein  | ND      | 0.500 | --  | ND    | 1.14  | --        | 1               |
| Acetone   | ND      | 1.00  | --  | ND    | 2.37  | --        | 1               |
| Acetonitrile  | ND      | 0.200 | --  | ND    | 0.336 | --        | 1               |
| Trichlorofluoromethane                                      | ND      | 0.200 | --  | ND    | 1.12  | --        | 1               |
| Isopropanol   | ND      | 0.500 | --  | ND    | 1.23  | --        | 1               |
| Acrylonitrile   | ND      | 0.200 | --  | ND    | 0.434 | --        | 1               |
| Pentane   | ND      | 0.200 | --  | ND    | 0.590 | --        | 1               |
| Ethyl ether   | ND      | 0.200 | --  | ND    | 0.606 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| Tertiary butyl Alcohol                                      | ND      | 0.500 | --  | ND    | 1.52  | --        | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1019640  
**Report Date:** 01/07/11

### Air Canister Certification Results

Lab ID: L1019640-01 Date Collected: 12/08/10 00:00  
Client ID: CAN 158 SHELF 8 Date Received: 12/08/10  
Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Methylene chloride  | ND      | 1.00  | --  | ND      | 3.47  | --  |           | 1               |
| 3-Chloropropene   | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide  | ND      | 0.200 | --  | ND      | 0.622 | --  |           | 1               |
| Freon-113   | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND      | 0.792 | --  |           | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                                     | ND      | 0.200 | --  | ND      | 0.720 | --  |           | 1               |
| Vinyl acetate   | ND      | 0.200 | --  | ND      | 0.704 | --  |           | 1               |
| 2-Butanone  | ND      | 0.200 | --  | ND      | 0.589 | --  |           | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND      | 0.792 | --  |           | 1               |
| Ethyl Acetate   | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform  | ND      | 0.200 | --  | ND      | 0.976 | --  |           | 1               |
| Tetrahydrofuran   | ND      | 0.200 | --  | ND      | 0.589 | --  |           | 1               |
| 2,2-Dichloropropane   | ND      | 0.200 | --  | ND      | 0.923 | --  |           | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane  | ND      | 0.200 | --  | ND      | 0.704 | --  |           | 1               |
| Diisopropyl ether   | ND      | 0.200 | --  | ND      | 0.835 | --  |           | 1               |
| tert-Butyl Ethyl Ether                                      | ND      | 0.200 | --  | ND      | 0.835 | --  |           | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| 1,1-Dichloropropene   | ND      | 0.200 | --  | ND      | 0.907 | --  |           | 1               |
| Benzene   | ND      | 0.200 | --  | ND      | 0.638 | --  |           | 1               |
| Carbon tetrachloride  | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane   | ND      | 0.200 | --  | ND      | 0.688 | --  |           | 1               |
| tert-Amyl Methyl Ether                                      | ND      | 0.200 | --  | ND      | 0.835 | --  |           | 1               |
| Dibromomethane  | ND      | 0.200 | --  | ND      | 1.42  | --  |           | 1               |
| 1,2-Dichloropropane   | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| Bromodichloromethane  | ND      | 0.200 | --  | ND      | 1.34  | --  |           | 1               |
| 1,4-Dioxane   | ND      | 0.200 | --  | ND      | 0.720 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1019640**Project Number:** CANISTER QC BAT**Report Date:** 01/07/11**Air Canister Certification Results**

Lab ID: L1019640-01 Date Collected: 12/08/10 00:00  
 Client ID: CAN 158 SHELF 8 Date Received: 12/08/10  
 Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Trichloroethene   | ND      | 0.200 | --  | ND      | 1.07  | --  |           | 1               |
| 2,2,4-Trimethylpentane                                      | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Heptane   | ND      | 0.200 | --  | ND      | 0.819 | --  |           | 1               |
| 2,4,4-trimethyl-1-pentene                                   | ND      | 0.500 | --  | ND      | 2.29  | --  |           | 1               |
| cis-1,3-Dichloropropene                                     | ND      | 0.200 | --  | ND      | 0.907 | --  |           | 1               |
| 4-Methyl-2-pentanone  | ND      | 0.200 | --  | ND      | 0.819 | --  |           | 1               |
| 2,4,4-trimethyl-2-pentene                                   | ND      | 0.500 | --  | ND      | 2.29  | --  |           | 1               |
| trans-1,3-Dichloropropene                                   | ND      | 0.200 | --  | ND      | 0.907 | --  |           | 1               |
| 1,1,2-Trichloroethane                                       | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Toluene   | ND      | 0.200 | --  | ND      | 0.753 | --  |           | 1               |
| 1,3-Dichloropropane   | ND      | 0.200 | --  | ND      | 0.923 | --  |           | 1               |
| 2-Hexanone  | ND      | 0.200 | --  | ND      | 0.819 | --  |           | 1               |
| Dibromochloromethane  | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Butyl acetate   | ND      | 0.500 | --  | ND      | 2.37  | --  |           | 1               |
| Octane  | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND      | 1.36  | --  |           | 1               |
| 1,1,1,2-Tetrachloroethane                                   | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| Chlorobenzene   | ND      | 0.200 | --  | ND      | 0.920 | --  |           | 1               |
| Ethylbenzene  | ND      | 0.200 | --  | ND      | 0.868 | --  |           | 1               |
| p/m-Xylene  | ND      | 0.400 | --  | ND      | 1.74  | --  |           | 1               |
| Bromoform   | ND      | 0.200 | --  | ND      | 2.06  | --  |           | 1               |
| Styrene   | ND      | 0.200 | --  | ND      | 0.851 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                                   | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene  | ND      | 0.200 | --  | ND      | 0.868 | --  |           | 1               |
| 1,2,3-Trichloropropane                                      | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| Nonane  | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| Isopropylbenzene  | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1019640  
**Report Date:** 01/07/11

### Air Canister Certification Results

Lab ID: L1019640-01 Date Collected: 12/08/10 00:00  
Client ID: CAN 158 SHELF 8 Date Received: 12/08/10  
Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Bromobenzene  | ND      | 0.200 | --  | ND      | 1.28  | --  |           | 1               |
| 2-Chlorotoluene   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| n-Propylbenzene   | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| 4-Chlorotoluene   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| 4-Ethyltoluene  | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                      | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| tert-Butylbenzene   | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                      | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| Decane  | ND      | 0.200 | --  | ND      | 1.16  | --  |           | 1               |
| Benzyl chloride   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| 1,3-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| sec-Butylbenzene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| p-Isopropyltoluene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| n-Butylbenzene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dibromo-3-chloropropane                                 | ND      | 0.200 | --  | ND      | 1.93  | --  |           | 1               |
| Undecane  | ND      | 0.200 | --  | ND      | 1.28  | --  |           | 1               |
| Dodecane  | ND      | 0.200 | --  | ND      | 1.39  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                                      | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Naphthalene   | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| 1,2,3-Trichlorobenzene                                      | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene   | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1019640**Project Number:** CANISTER QC BAT**Report Date:** 01/07/11**Air Canister Certification Results**

|                  |                 |                 |                |
|------------------|-----------------|-----------------|----------------|
| Lab ID:          | L1019640-01     | Date Collected: | 12/08/10 00:00 |
| Client ID:       | CAN 158 SHELF 8 | Date Received:  | 12/08/10       |
| Sample Location: |                 | Field Prep:     | Not Specified  |

| Parameter  | ppbV    |    |     | ug/m3   |    |     | Dilution Factor |
|--|---------|----|-----|---------|----|-----|-----------------|
|  | Results | RL | MDL | Results | RL | MDL |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |    |     |         |    |     |                 |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 83         |           | 60-140              |
| Bromochloromethane  | 84         |           | 60-140              |
| chlorobenzene-d5    | 77         |           | 60-140              |

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1019983  
**Report Date:** 01/07/11

### Air Canister Certification Results

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Lab ID:           | L1019983-01     | Date Collected: | 12/14/10 00:00 |
| Client ID:        | CAN 263 SHELF 2 | Date Received:  | 12/14/10       |
| Sample Location:  |                 | Field Prep:     | Not Specified  |
| Matrix:           | Air             |                 |                |
| Anaytical Method: | 48,TO-15        |                 |                |
| Analytical Date:  | 12/16/10 15:10  |                 |                |
| Analyst:          | RY              |                 |                |

| Parameter   | Results | ppbV  |     | ug/m3 |       | Qualifier | Dilution Factor |
|---|---------|-------|-----|-------|-------|-----------|-----------------|
|   |         | RL    | MDL | RL    | MDL   |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |       |       |           |                 |
| Chlorodifluoromethane                                       | ND      | 0.200 | --  | ND    | 0.707 | --        | 1               |
| Propylene   | ND      | 0.200 | --  | ND    | 0.344 | --        | 1               |
| Propane   | ND      | 0.200 | --  | ND    | 0.606 | --        | 1               |
| Dichlorodifluoromethane                                     | ND      | 0.200 | --  | ND    | 0.988 | --        | 1               |
| Chloromethane   | ND      | 0.200 | --  | ND    | 0.413 | --        | 1               |
| Freon-114   | ND      | 0.200 | --  | ND    | 1.40  | --        | 1               |
| Methanol  | ND      | 5.00  | --  | ND    | 6.55  | --        | 1               |
| Vinyl chloride  | ND      | 0.200 | --  | ND    | 0.511 | --        | 1               |
| 1,3-Butadiene   | ND      | 0.200 | --  | ND    | 0.442 | --        | 1               |
| Butane  | ND      | 0.200 | --  | ND    | 0.475 | --        | 1               |
| Bromomethane  | ND      | 0.200 | --  | ND    | 0.776 | --        | 1               |
| Chloroethane  | ND      | 0.200 | --  | ND    | 0.527 | --        | 1               |
| Ethanol   | ND      | 2.50  | --  | ND    | 4.71  | --        | 1               |
| Dichlorofluoromethane                                       | ND      | 0.200 | --  | ND    | 0.841 | --        | 1               |
| Vinyl bromide   | ND      | 0.200 | --  | ND    | 0.874 | --        | 1               |
| Acrolein  | ND      | 0.500 | --  | ND    | 1.14  | --        | 1               |
| Acetone   | ND      | 1.00  | --  | ND    | 2.37  | --        | 1               |
| Acetonitrile  | ND      | 0.200 | --  | ND    | 0.336 | --        | 1               |
| Trichlorofluoromethane                                      | ND      | 0.200 | --  | ND    | 1.12  | --        | 1               |
| Isopropanol   | ND      | 0.500 | --  | ND    | 1.23  | --        | 1               |
| Acrylonitrile   | ND      | 0.200 | --  | ND    | 0.434 | --        | 1               |
| Pentane   | ND      | 0.200 | --  | ND    | 0.590 | --        | 1               |
| Ethyl ether   | ND      | 0.200 | --  | ND    | 0.606 | --        | 1               |
| 1,1-Dichloroethene  | ND      | 0.200 | --  | ND    | 0.792 | --        | 1               |
| Tertiary butyl Alcohol                                      | ND      | 0.500 | --  | ND    | 1.52  | --        | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1019983  
**Report Date:** 01/07/11

### Air Canister Certification Results

Lab ID: L1019983-01 Date Collected: 12/14/10 00:00  
Client ID: CAN 263 SHELF 2 Date Received: 12/14/10  
Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Methylene chloride  | ND      | 1.00  | --  | ND      | 3.47  | --  |           | 1               |
| 3-Chloropropene   | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide  | ND      | 0.200 | --  | ND      | 0.622 | --  |           | 1               |
| Freon-113   | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                                    | ND      | 0.200 | --  | ND      | 0.792 | --  |           | 1               |
| 1,1-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                                     | ND      | 0.200 | --  | ND      | 0.720 | --  |           | 1               |
| Vinyl acetate   | ND      | 0.200 | --  | ND      | 0.704 | --  |           | 1               |
| 2-Butanone  | ND      | 0.200 | --  | ND      | 0.589 | --  |           | 1               |
| cis-1,2-Dichloroethene                                      | ND      | 0.200 | --  | ND      | 0.792 | --  |           | 1               |
| Ethyl Acetate   | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform  | ND      | 0.200 | --  | ND      | 0.976 | --  |           | 1               |
| Tetrahydrofuran   | ND      | 0.200 | --  | ND      | 0.589 | --  |           | 1               |
| 2,2-Dichloropropane   | ND      | 0.200 | --  | ND      | 0.923 | --  |           | 1               |
| 1,2-Dichloroethane  | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane  | ND      | 0.200 | --  | ND      | 0.704 | --  |           | 1               |
| Diisopropyl ether   | ND      | 0.200 | --  | ND      | 0.835 | --  |           | 1               |
| tert-Butyl Ethyl Ether                                      | ND      | 0.200 | --  | ND      | 0.835 | --  |           | 1               |
| 1,1,1-Trichloroethane                                       | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| 1,1-Dichloropropene   | ND      | 0.200 | --  | ND      | 0.907 | --  |           | 1               |
| Benzene   | ND      | 0.200 | --  | ND      | 0.638 | --  |           | 1               |
| Carbon tetrachloride  | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane   | ND      | 0.200 | --  | ND      | 0.688 | --  |           | 1               |
| tert-Amyl Methyl Ether                                      | ND      | 0.200 | --  | ND      | 0.835 | --  |           | 1               |
| Dibromomethane  | ND      | 0.200 | --  | ND      | 1.42  | --  |           | 1               |
| 1,2-Dichloropropane   | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| Bromodichloromethane  | ND      | 0.200 | --  | ND      | 1.34  | --  |           | 1               |
| 1,4-Dioxane   | ND      | 0.200 | --  | ND      | 0.720 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1019983  
**Report Date:** 01/07/11

### Air Canister Certification Results

Lab ID: L1019983-01 Date Collected: 12/14/10 00:00  
Client ID: CAN 263 SHELF 2 Date Received: 12/14/10  
Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Trichloroethene   | ND      | 0.200 | --  | ND      | 1.07  | --  |           | 1               |
| 2,2,4-Trimethylpentane                                      | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Heptane   | ND      | 0.200 | --  | ND      | 0.819 | --  |           | 1               |
| 2,4,4-trimethyl-1-pentene                                   | ND      | 0.500 | --  | ND      | 2.29  | --  |           | 1               |
| cis-1,3-Dichloropropene                                     | ND      | 0.200 | --  | ND      | 0.907 | --  |           | 1               |
| 4-Methyl-2-pentanone  | ND      | 0.200 | --  | ND      | 0.819 | --  |           | 1               |
| 2,4,4-trimethyl-2-pentene                                   | ND      | 0.500 | --  | ND      | 2.29  | --  |           | 1               |
| trans-1,3-Dichloropropene                                   | ND      | 0.200 | --  | ND      | 0.907 | --  |           | 1               |
| 1,1,2-Trichloroethane                                       | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Toluene   | ND      | 0.200 | --  | ND      | 0.753 | --  |           | 1               |
| 1,3-Dichloropropane   | ND      | 0.200 | --  | ND      | 0.923 | --  |           | 1               |
| 2-Hexanone  | ND      | 0.200 | --  | ND      | 0.819 | --  |           | 1               |
| Dibromochloromethane  | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane   | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Butyl acetate   | ND      | 0.500 | --  | ND      | 2.37  | --  |           | 1               |
| Octane  | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Tetrachloroethene   | ND      | 0.200 | --  | ND      | 1.36  | --  |           | 1               |
| 1,1,1,2-Tetrachloroethane                                   | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| Chlorobenzene   | ND      | 0.200 | --  | ND      | 0.920 | --  |           | 1               |
| Ethylbenzene  | ND      | 0.200 | --  | ND      | 0.868 | --  |           | 1               |
| p/m-Xylene  | ND      | 0.400 | --  | ND      | 1.74  | --  |           | 1               |
| Bromoform   | ND      | 0.200 | --  | ND      | 2.06  | --  |           | 1               |
| Styrene   | ND      | 0.200 | --  | ND      | 0.851 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                                   | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene  | ND      | 0.200 | --  | ND      | 0.868 | --  |           | 1               |
| 1,2,3-Trichloropropane                                      | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| Nonane  | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| Isopropylbenzene  | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1019983  
**Report Date:** 01/07/11

### Air Canister Certification Results

Lab ID: L1019983-01 Date Collected: 12/14/10 00:00  
Client ID: CAN 263 SHELF 2 Date Received: 12/14/10  
Sample Location: Field Prep: Not Specified

| Parameter   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|   | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| <b>Volatile Organics in Air (Low Level) - Mansfield Lab</b> |         |       |     |         |       |     |           |                 |
| Bromobenzene  | ND      | 0.200 | --  | ND      | 1.28  | --  |           | 1               |
| 2-Chlorotoluene   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| n-Propylbenzene   | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| 4-Chlorotoluene   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| 4-Ethyltoluene  | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                      | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| tert-Butylbenzene   | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                      | ND      | 0.200 | --  | ND      | 0.982 | --  |           | 1               |
| Decane  | ND      | 0.200 | --  | ND      | 1.16  | --  |           | 1               |
| Benzyl chloride   | ND      | 0.200 | --  | ND      | 1.03  | --  |           | 1               |
| 1,3-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| sec-Butylbenzene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| p-Isopropyltoluene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dichlorobenzene   | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| n-Butylbenzene  | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dibromo-3-chloropropane                                 | ND      | 0.200 | --  | ND      | 1.93  | --  |           | 1               |
| Undecane  | ND      | 0.200 | --  | ND      | 1.28  | --  |           | 1               |
| Dodecane  | ND      | 0.200 | --  | ND      | 1.39  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                                      | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Naphthalene   | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| 1,2,3-Trichlorobenzene                                      | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene   | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1019983**Project Number:** CANISTER QC BAT**Report Date:** 01/07/11**Air Canister Certification Results**

|                  |                 |                 |                |
|------------------|-----------------|-----------------|----------------|
| Lab ID:          | L1019983-01     | Date Collected: | 12/14/10 00:00 |
| Client ID:       | CAN 263 SHELF 2 | Date Received:  | 12/14/10       |
| Sample Location: |                 | Field Prep:     | Not Specified  |

| Parameter  | ppbV    |    |     | ug/m3   |    |     | Dilution Factor |
|--|---------|----|-----|---------|----|-----|-----------------|
|  | Results | RL | MDL | Results | RL | MDL |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |    |     |         |    |     |                 |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 107        |           | 60-140              |
| Bromochloromethane  | 94         |           | 60-140              |
| chlorobenzene-d5    | 92         |           | 60-140              |

## **AIR Petro Can Certification**

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1019640  
**Report Date:** 01/07/11

### AIR CAN CERTIFICATION RESULTS

|                    |                 |                 |                |
|--------------------|-----------------|-----------------|----------------|
| Lab ID:            | L1019640-01     | Date Collected: | 12/08/10 00:00 |
| Client ID:         | CAN 158 SHELF 8 | Date Received:  | 12/08/10       |
| Sample Location:   | Not Specified   | Field Prep:     | Not Specified  |
| Matrix:            | Air             |                 |                |
| Analytical Method: | 96,APH          |                 |                |
| Analytical Date:   | 12/13/10 13:41  |                 |                |
| Analyst:           | BS              |                 |                |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | ND     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1019983  
**Report Date:** 01/07/11

### AIR CAN CERTIFICATION RESULTS

|                    |                 |                 |                |
|--------------------|-----------------|-----------------|----------------|
| Lab ID:            | L1019983-01     | Date Collected: | 12/14/10 00:00 |
| Client ID:         | CAN 263 SHELF 2 | Date Received:  | 12/14/10       |
| Sample Location:   | Not Specified   | Field Prep:     | Not Specified  |
| Matrix:            | Air             |                 |                |
| Analytical Method: | 96,APH          |                 |                |
| Analytical Date:   | 12/16/10 15:10  |                 |                |
| Analyst:           | RY              |                 |                |

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | ND     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene   | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene   | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene  | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

### Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

#### **Cooler Information Custody Seal**

##### **Cooler**

N/A Present/Intact

#### **Container Information**

| Container ID | Container Type       | Cooler | pH  | Temp<br>deg C | Pres | Seal           | Analysis(*)                        |
|--------------|----------------------|--------|-----|---------------|------|----------------|------------------------------------|
| L1020384-01A | Canister - 2.7 Liter | N/A    | N/A |               | Y    | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30)  |
| L1020384-02A | Canister - 2.7 Liter | N/A    | N/A |               | Y    | Present/Intact | APH-10(30),FIXGAS(30),TO15-SIM(30) |
| L1020384-03A | Canister - 2.7 Liter | N/A    | N/A |               | Y    | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30)  |
| L1020384-04A | Canister - 2.7 Liter | N/A    | N/A |               | Y    | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30)  |
| L1020384-05A | Canister - 2.7 Liter | N/A    | N/A |               | Y    | Present/Intact | APH-10(30),FIXGAS(30),TO15-LL(30)  |

\*Values in parentheses indicate holding time in days

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

## GLOSSARY

### **Acronyms**

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

### **Terms**

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

### **Data Qualifiers**

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

**Report Format:** Data Usability Report



**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

*Data Qualifiers*

- RE** - Analytical results are from sample re-extraction.  
**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).  
**ND** - Not detected at the reporting limit (RL) for the sample.

**Project Name:** CHRISTIE'S LEWISTON  
**Project Number:** Not Specified

**Lab Number:** L1020384  
**Report Date:** 01/07/11

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.
- 51 Determination of Carbon Dioxide, Methane, Nitrogen and Oxygen from Stationary Sources. Method 3C. Appendix A, Part 60, 40 CFR (Code of Federal Regulations). June 20, 1996.
- 96 Method for the Determination of Air-Phase Petroleum Hydrocarbons (APH), MassDEP, December 2009, Revision 1 with QC Requirements & Performance Standards for the Analysis of APH by GC/MS under the Massachusetts Contingency Plan, WSC-CAM-IXA, July 2010.

## LIMITATION OF LIABILITIES

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

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



## **Certificate/Approval Program Summary**

Last revised July 19, 2010 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

**Connecticut Department of Public Health Certificate/Lab ID: PH-0141.**

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

**Florida Department of Health Certificate/Lab ID: E87814. **NELAP Accredited.****

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

**Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. **NELAP Accredited.****

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270, )

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

**Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.**

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. **NELAP Accredited.****

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. **NELAP Accredited.****

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

*Atmospheric Organic Parameters* (EPA TO-15)

*Biological Tissue* (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

**New York Department of Health** Certificate/Lab ID: 11627. **NELAP Accredited.**

*Non-Potable Water* (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

*Air & Emissions* (EPA TO-15.)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

**Texas Commission of Environmental Quality** Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

*Solid & Chemical Materials* (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

*Air* (Organic Parameters: EPA TO-15)

**U.S. Army Corps of Engineers**

**Department of Defense** Certificate/Lab ID: L2217.01.

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 3051, 6020, 747A, 7474, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

*Air & Emissions* (EPA TO-15.)

#### **Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl.

AIR ANALYSIS  
CHAIN OF CUSTODYPAGE 1 OF 1

Date Rec'd in Lab:

ALPHA Job #: L1020384

320 Forbes Blvd, Mansfield, MA 02048  
TEL: 508-822-9300 FAX: 508-822-3288Project Name: CHRISTIE'S LEWISTON  
Project Location: LEWISTON, MAINE

## Client Information

Client:  
**MAINE DEP**Address: 312 Casco Road  
**POB 100 ME 04103**Phone: (207) 822-6300  
Email: **Pete.Merriman@Maine.gov**

Fax:

Project #: **ALPHA**  
Project Manager: **Pete Fremira**

ALPHA Quote #:

Turn-Around Time

Standard  RUSH (only confirmed if pre-approved)

Date Due:

Time:

Other samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

**ANALYSES FOR HALE BEER AND LABORTE BASEMENT BEFORE EXCEPT FOR SSV-03**

## ALL COLUMNS BELOW MUST BE FILLED OUT

Collection Initial Final Sample Sampler's ID - Flow  
Lab ID Date Start Time End Time Vacuum Vacuum Matrix\* Initials Can ID ControllerTO-14A by TO-15  
TO-15  
TO-15 SIM  
APH  
FIXED GASES  
TO-13A  
TO-4 / TO-10

Sample Comments (i.e. PID)

|          |                        |       |       |       |      |     |    |     |     |      |      |   |   |
|----------|------------------------|-------|-------|-------|------|-----|----|-----|-----|------|------|---|---|
| L1020384 | SSV-03                 | 12-21 | 10:29 | 11:00 | -30  | -5  | SV | PE  | 1L  | 500  | 0379 | X | X |
| 2        | LABORTE BASEMENT 12-21 | 10:34 | 11:03 | -30   | -4.5 | AA  | PE | 1L  | 325 | 0849 | X    | X |   |
| 3        | SV-102-4               | 12-21 | 9:34  | 9:52  | -30  | -3  | SV | JRC | 1L  | 501  | 0102 | X | X |
| 4        | SV-106-4               | 12-21 | 9:47  | 9:58  | -29  | 0.0 | SV | JRC | 1L  | 328  | 0123 | X | X |
| 5        | SV-107-3               | 12-21 | 10:10 | 10:38 | -30  | -4  | SV | JRC | 1L  | 425  | 0052 | X | X |

## \*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)  
SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Container Type

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

See reverse side.

Relinquished By: **Alicia Meador** Date/Time: **12/22/10 1:50**  
Received By: **Alicia Meador** Date/Time: **12/22/10 1:50**

Other Specify

**TO-15**

Sub List : 9\_Chlorinateds+EDB - .t (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230t\  
 Data File : R714193.D  
 Acq On : 31 Dec 2010 8:24 am  
 Operator : AIRLAB7:BS  
 Sample : L1020384-01,3,250,250  
 Misc : WG449914,ICAL5536  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 05 12:22:09 2011

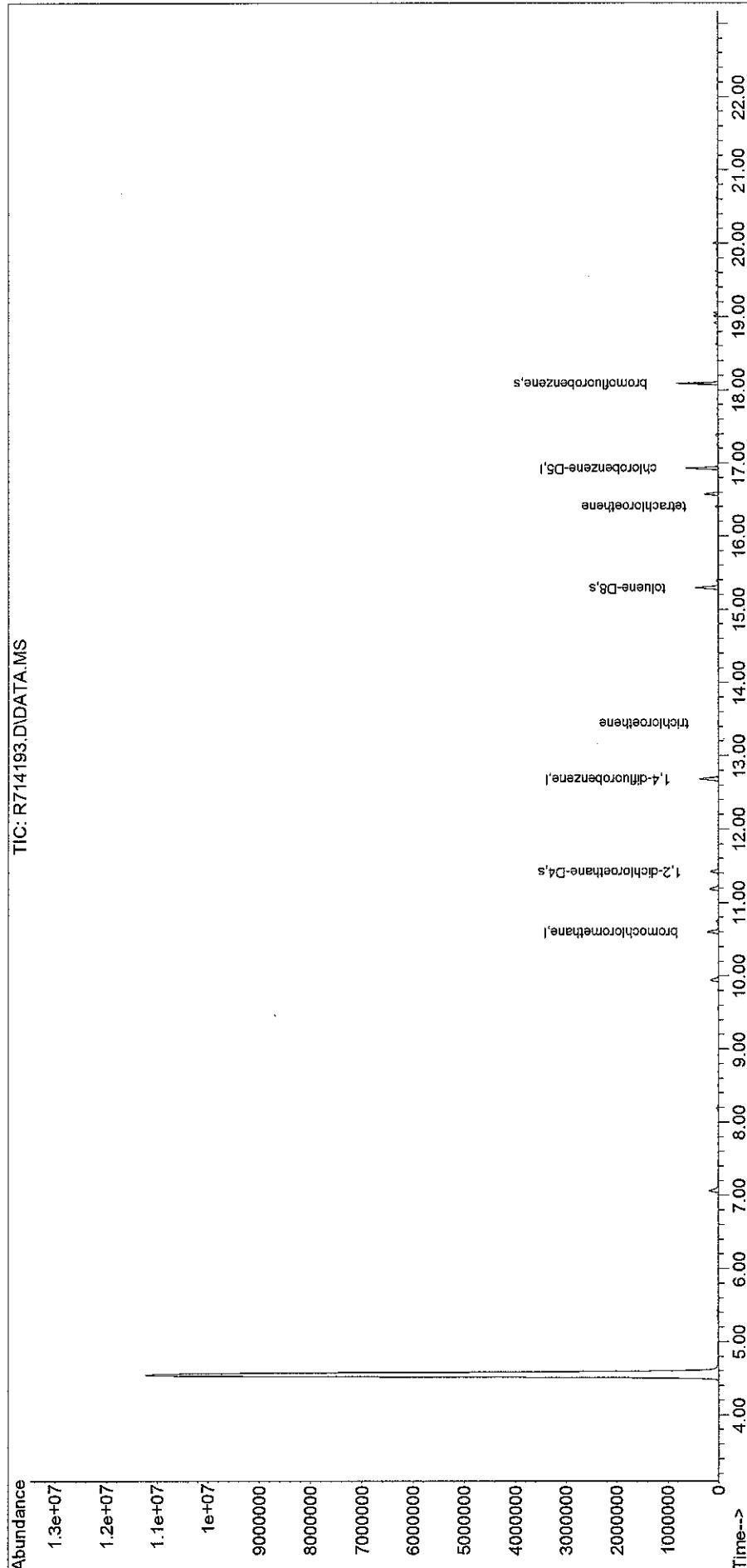
Quant Method : O:\Forensics\Data\Airlab7\2010\101230t\TALL101209.M

Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis

QLast Update : Fri Dec 10 10:47:23 2010

Response via : Initial Calibration

TIC: R714193.D\DATA.MS

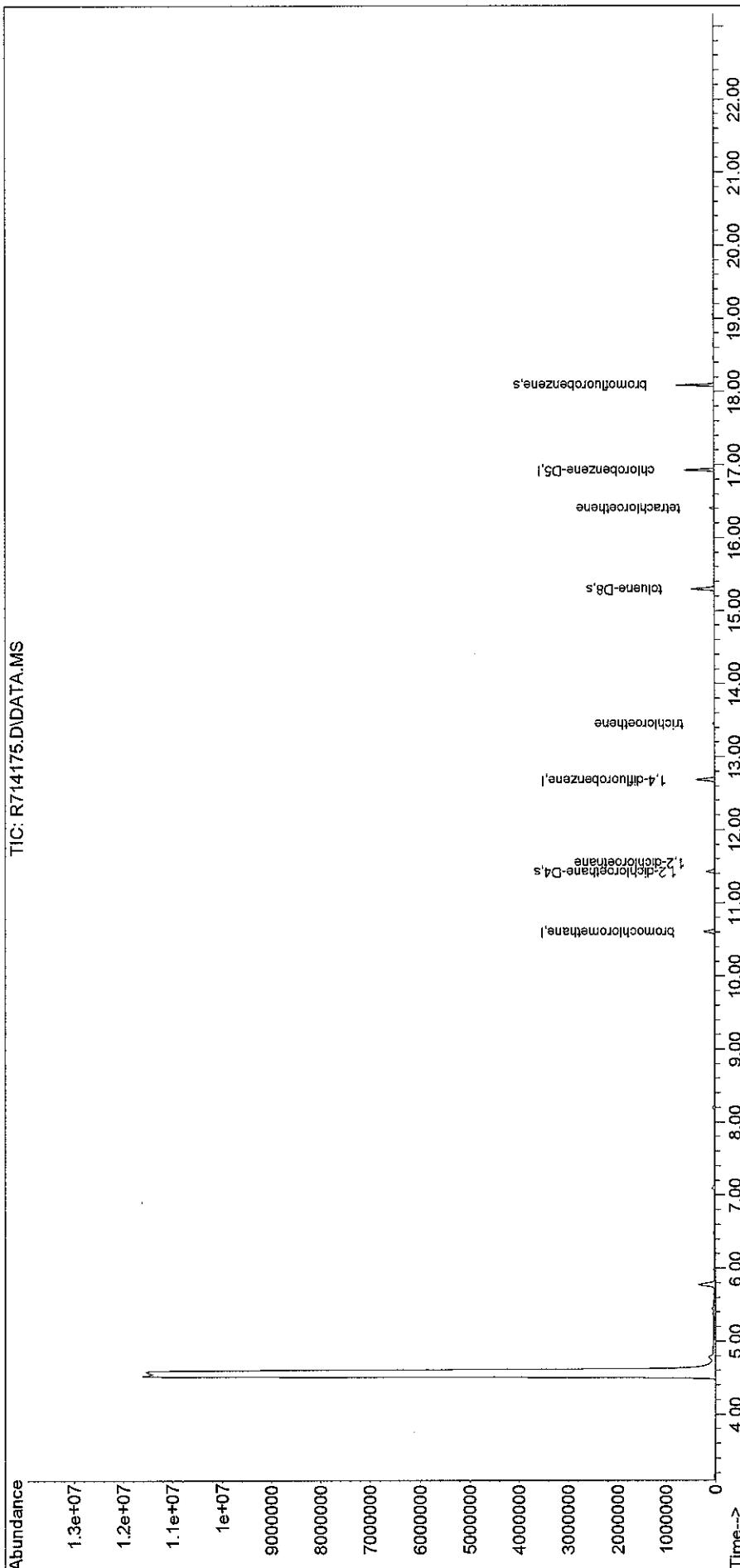


Sub List : 9\_Chlorinateds+EDB - .t (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230t\  
 Data File : R714175.D  
 Acq On : 30 Dec 2010 5:10 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020384-02, 3, 250, 250  
 Misc : WG449914, ICAL5536  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 31 07:49:56 2010  
 Quant Method : O:\Forensics\Data\Airlab7\2010\101230t\TALL101209.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 QLast Update : Fri Dec 10 10:47:23 2010  
 Response via : Initial Calibration

TIC: R714175.D\DATA.MS

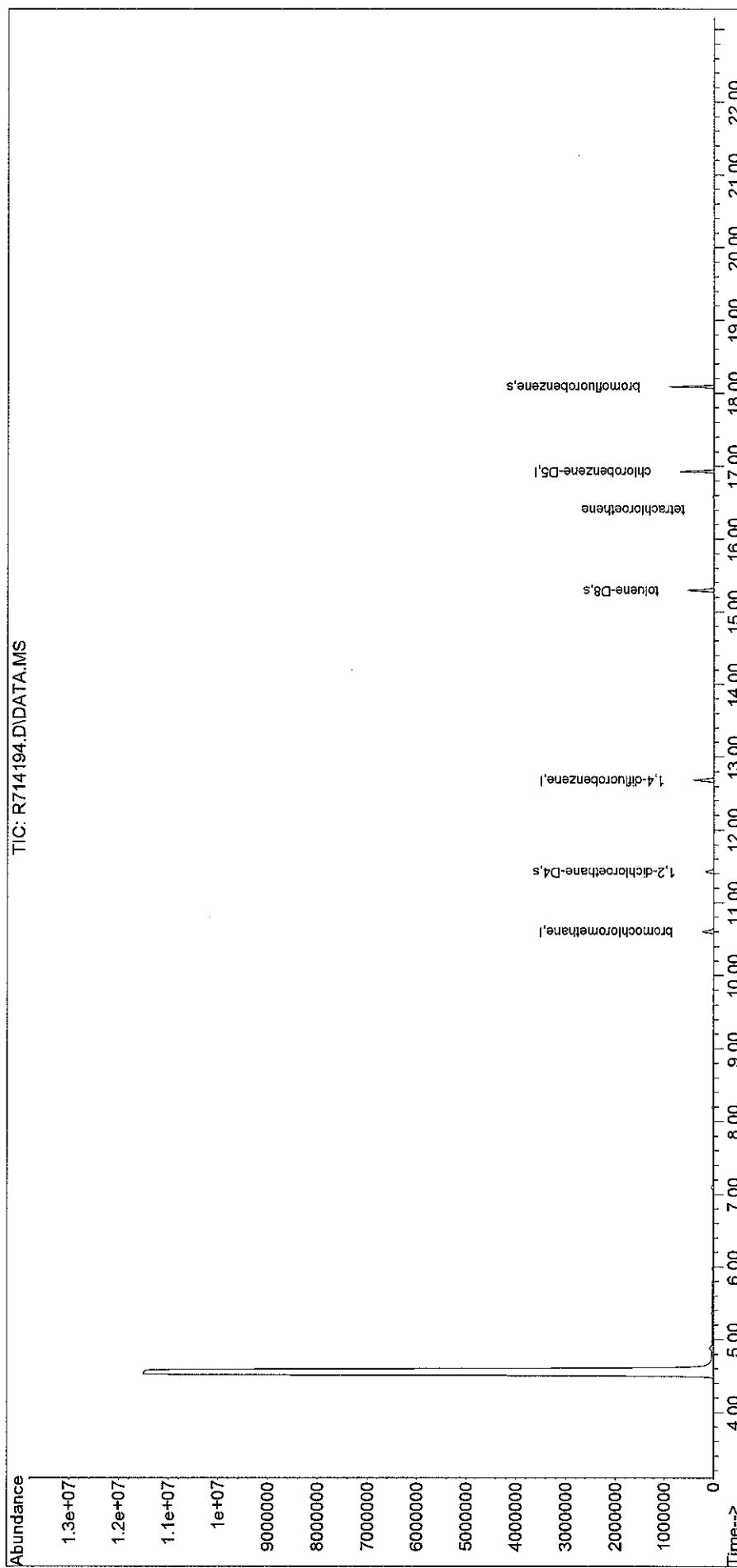


Sub List : 9\_Chlorinateds+EDB - .t (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230\t\  
 Data File : R714194.D  
 Acq On : 31 Dec 2010 8:58 am  
 Operator : AIRLAB7:BS  
 Sample : J1020384-03,3,250,250  
 Misc : WG449914,ICAI5536  
 ALS Vial : 7 Sample Multiplier: 1

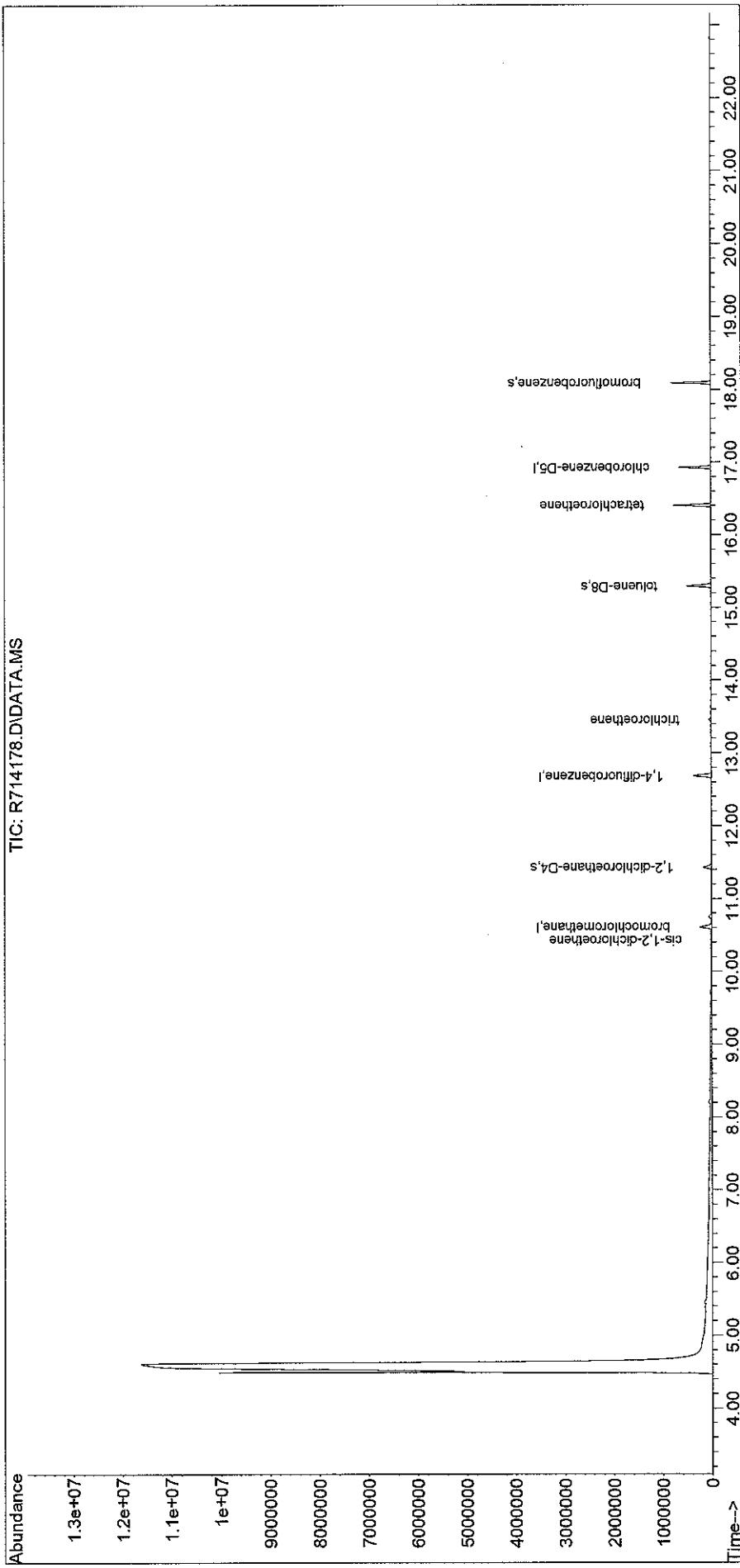
Quant Time: Jan 05 12:22:14 2011  
 Quant Method : O:\Forensics\Data\Airlab7\2010\101230\t\TALL101209.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 QLast Update : Fri Dec 10 10:47:23 2010  
 Response via : Initial Calibration

TIC: R714194.D\DATA.MS



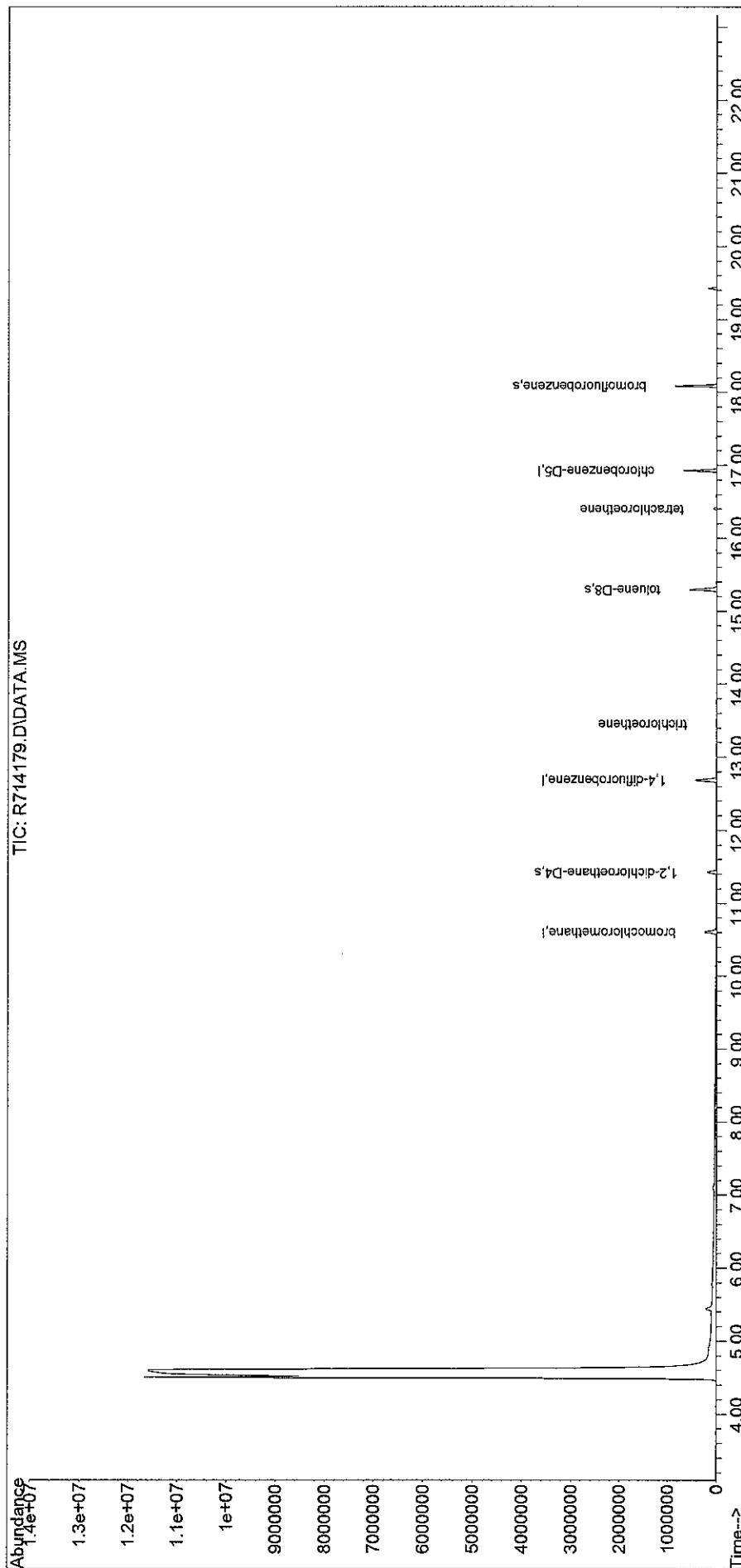
Sub List : 9\_Chlorinateds+EDB - .t (QT Reviewed)  
 Data Path : O:\Forensics\Data\AirLab7\2010\101230\\_\  
 Data File : R714178.D  
 Acq On : 30 Dec 2010 6:48 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020384~04,3,250,250  
 Misc : WG449914,ICAL5536  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 31 07:51:12 2010  
 Quant Method : O:\Forensics\Data\AirLab7\2010\101230\\_\TALL101209.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 QLast Update : Fri Dec 10 10:47:23 2010  
 Response via : Initial Calibration



Sub List : 9\_Chlorinateds+EDB - .t (QT Reviewed)  
 Data Path : O:\Forensics\Data\AirLab7\2010\101230\\_\\_  
 Data File : R714179.D  
 Acq On : 30 Dec 2010 7:22 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020384-05,3,250,250  
 Misc : WG449914,ICAI5536  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 31 07:51:38 2010  
 Quant Method : O:\Forensics\Data\AirLab7\2010\101230\TALL101209.M  
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis  
 QLast Update : Fri Dec 10 10:47:23 2010  
 Response via : Initial Calibration



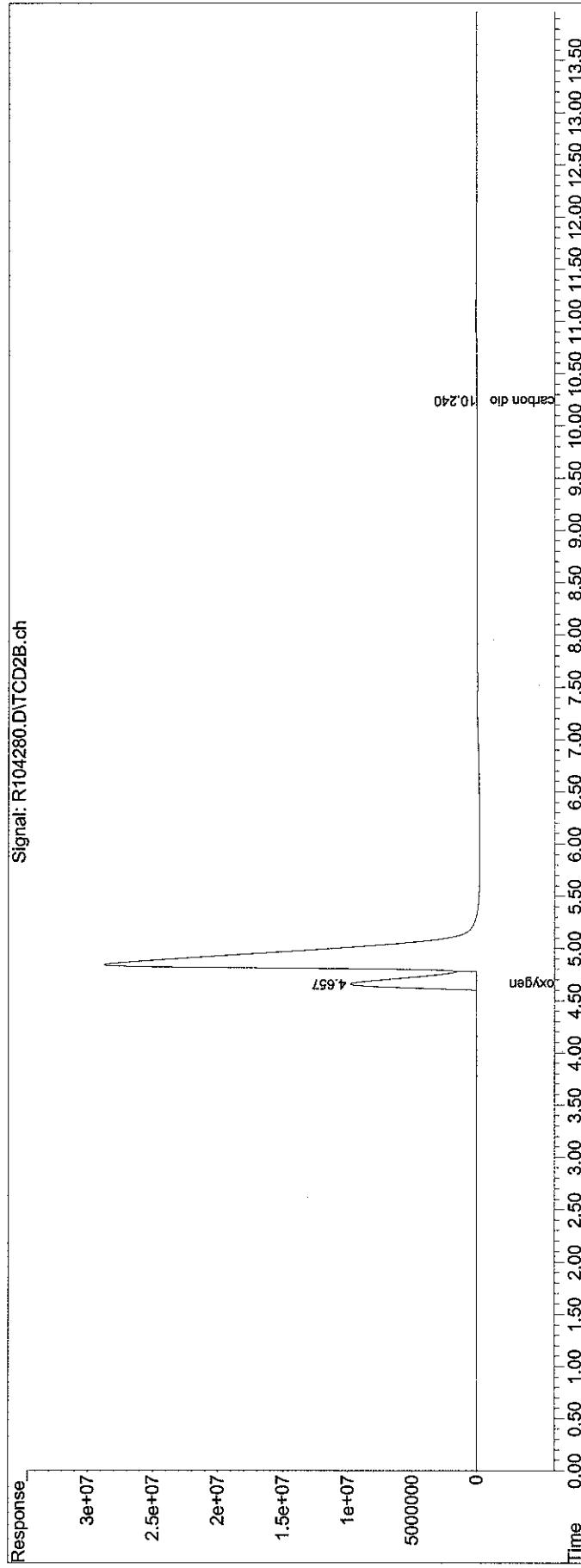
# **Fixed Gases**

Sub List : CO<sub>2</sub>,O<sub>2</sub>,CH<sub>4</sub> - .checkbox report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\110106FG\  
 Data File : R104280.D  
 Signal(s) : TCD2B.ch  
 Acq On : 6 Jan 2011 11:55 pm  
 Operator : airlab10:RY  
 Sample : L1020384-01D,4,0.4857,1  
 Misc : WG450576,ICAL5222  
 ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Jan 07 10:14:23 2011  
 Quant Method : O:\Forensics\Data\airlab10\110106FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Sat Oct 30 10:36:20 2010  
 Response via : Initial Calibration  
 Integrator: Chemstation

Volume Inj :  
 Signal Phase :  
 Signal Info :



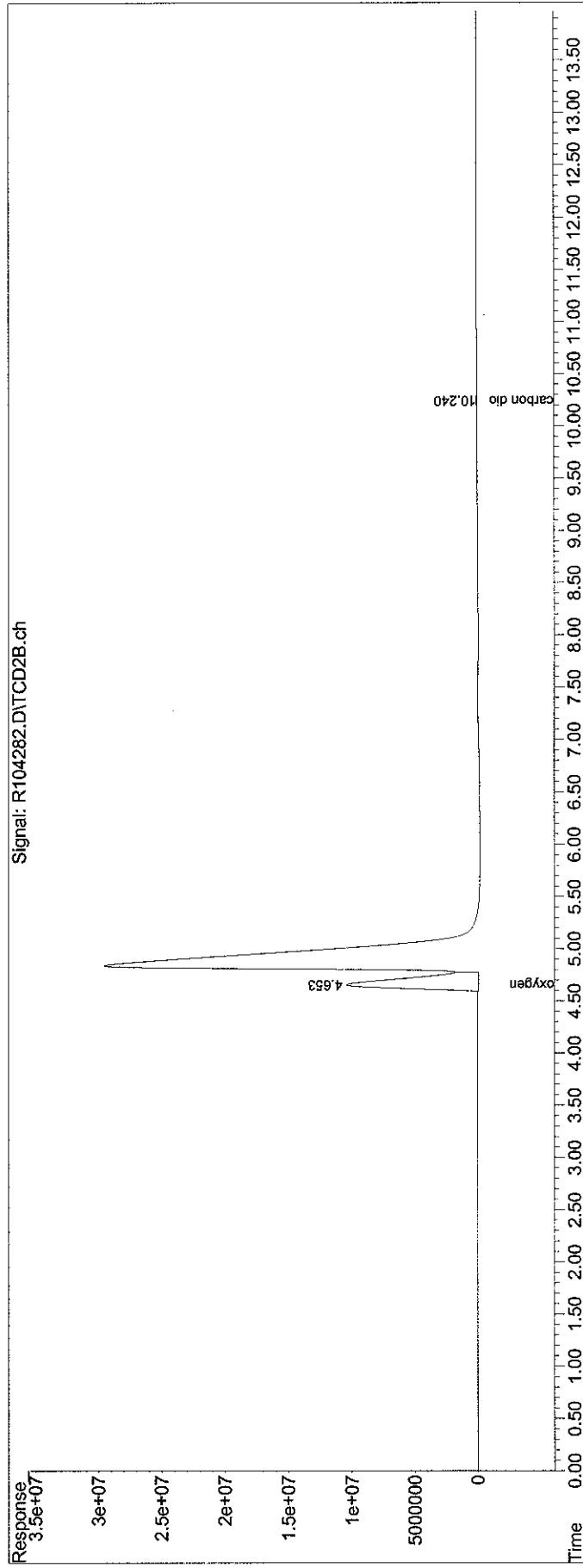
Sub List : CO<sub>2</sub>, O<sub>2</sub>, CH<sub>4</sub> - .report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\110106FG\  
 Data File : R104282.D  
 Signal(s) : TCD2B.ch  
 Acq On : 7 Jan 2011 12:34 am  
 Operator : airlab10:RY  
 Sample : L1020384-02D,4,0.5048,1  
 Misc : WG450576,ICAL5222  
 ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e

Quant Time: Jan 07 10:15:34 2011  
 Quant Method : O:\Forensics\Data\airlab10\110106FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Sat Oct 30 10:36:20 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. :  
 Signal Phase :  
 Signal Info :

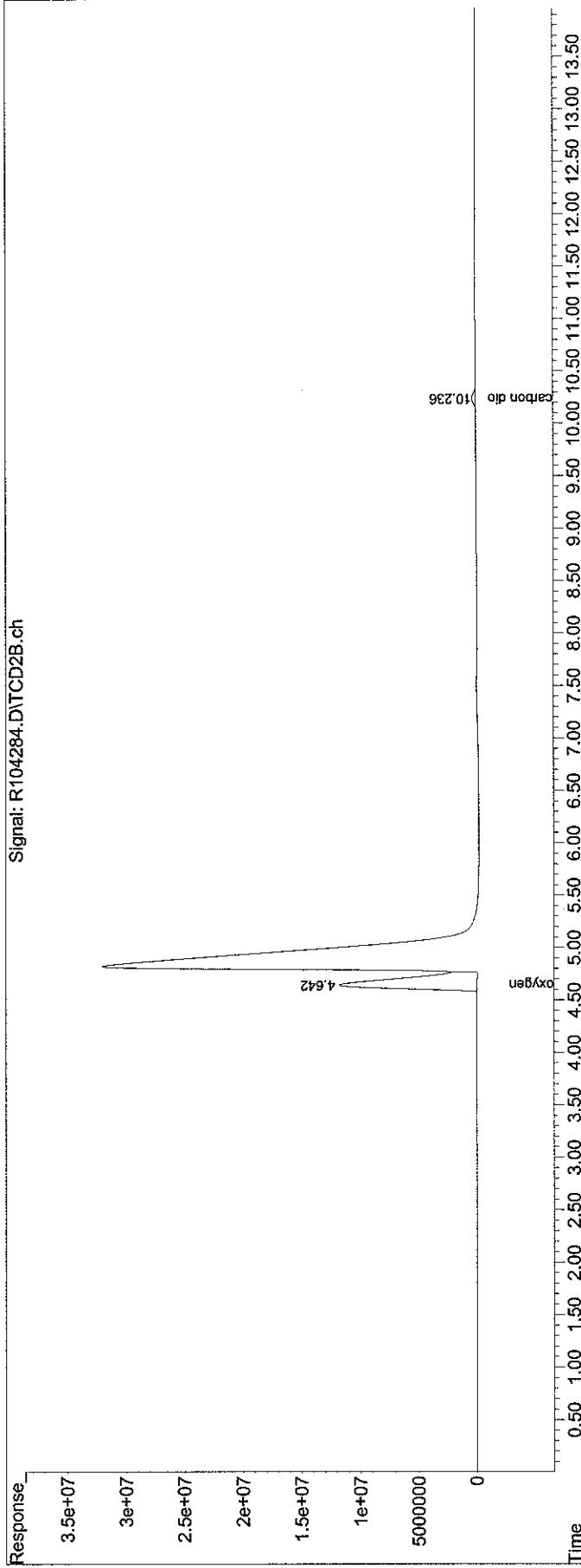


Sub List : CO<sub>2</sub>, O<sub>2</sub>, CH<sub>4</sub> - .Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\110106FG\  
 Data File : R104284.D  
 Signal(s) : TCD2B.ch  
 Acq On : 7 Jan 2011 1:14 am  
 Operator : airlab10:RY  
 Sample : L1020384-03D,4,0.5714,1  
 Misc : WG450576,ICAL5222  
 ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Jan 07 10:16:38 2011  
 Quant Method : O:\Forensics\Data\airlab10\110106FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Sat Oct 30 10:36:20 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj :  
 Signal Phase :  
 Signal Info :

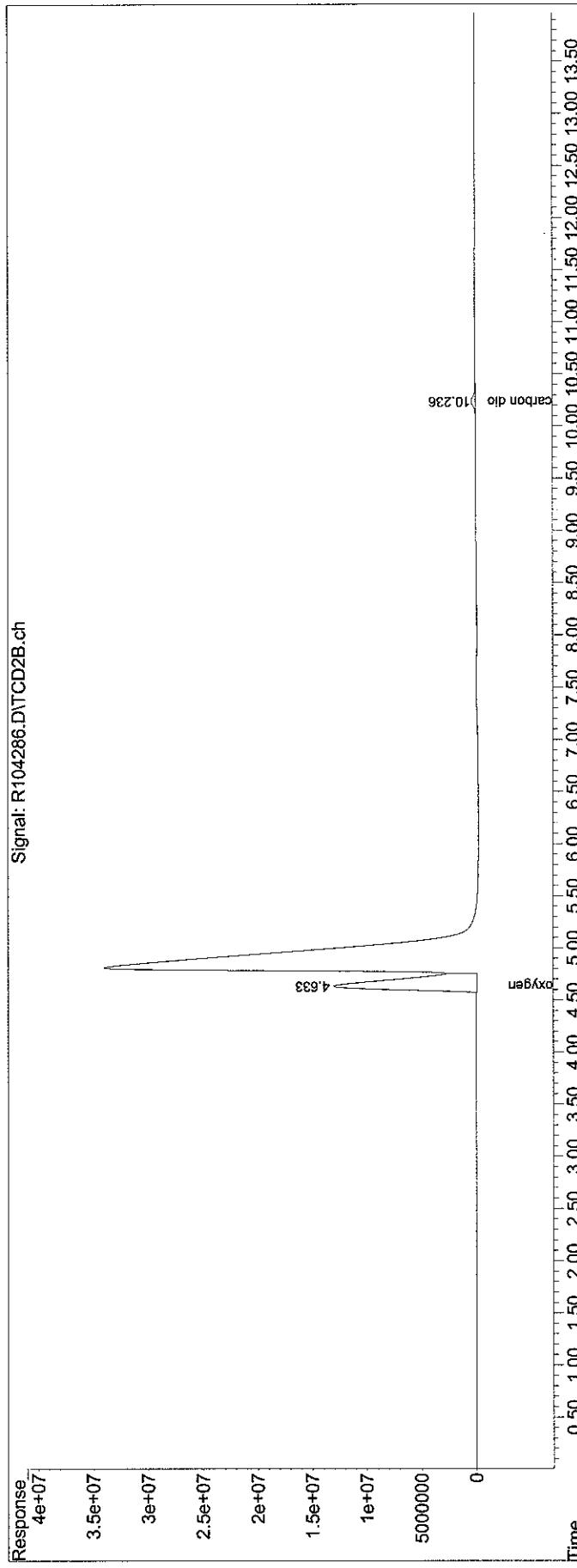


Sub List : CO<sub>2</sub>, O<sub>2</sub>, CH<sub>4</sub> - .checkbox report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\110106FG\  
 Data File : R104286.D  
 Signal(s) : TCD2B.ch  
 Acq On : 7 Jan 2011 1:53 am  
 Operator : airlab10:RY  
 Sample : L1020384-04D,4,0,6429,1  
 Misc : WG450576,ICAL5222  
 ALS Vial : 22 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Jan 07 10:17:40 2011  
 Quant Method : O:\Forensics\Data\airlab10\110106FG\EG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Sat Oct 30 10:36:20 2010  
 Response via : Initial Calibration  
 Integrator: Chemstation

Volume Inj. :  
 Signal Phase :  
 Signal Info :

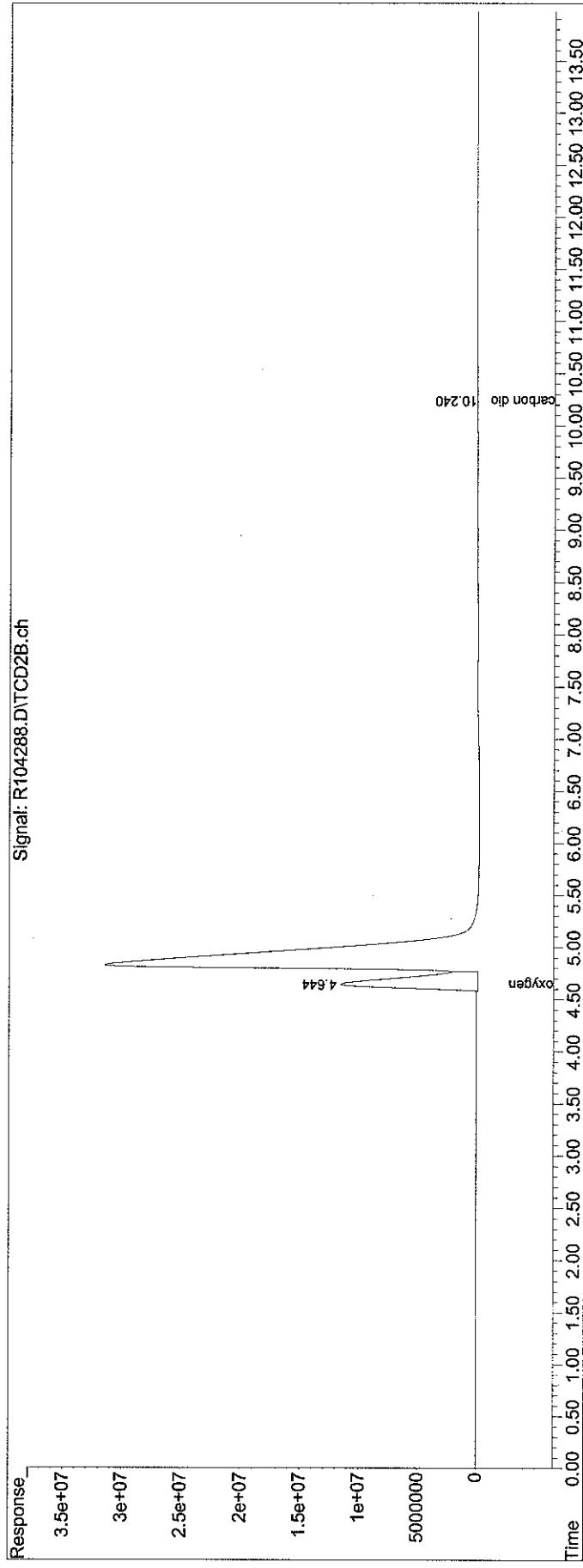


Sub List : CO<sub>2</sub>, O<sub>2</sub>, CH<sub>4</sub> - .checkbox report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab10\110106FG\  
 Data File : R104288.D  
 Signal(s) : TCD2B.ch  
 Acq On : 7 Jan 2011 2:33 am  
 Operator : airlab10:RY  
 Sample : L1020384-05D,4,0.5571,1  
 Misc : WG450576,ICAL5222  
 ALS Vial : 24 Sample Multiplier: 1

Integration File: events.e  
 Quant Time: Jan 07 10:18:35 2011  
 Quant Method : O:\Forensics\Data\airlab10\110106FG\FG100730.M  
 Quant Title : Fixed Gas Analysis via Method 3C  
 QLast Update : Sat Oct 30 10:36:20 2010  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. :  
 Signal Phase :  
 Signal Info :



**APH**

Sub List : APH\_STD\_M - .ion Report (QT Reviewed)

Data Path : O:\Forensics\DATA\Airlab7\2010\101230A\  
 Data File : R714193.D  
 Acq On : 31 Dec 2010 8:24 am  
 Operator : AIRLAB7:BS  
 Sample : L1020384-01,3,250,250  
 Misc : WG449913,ICAL5560  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 05 11:20:17 2011

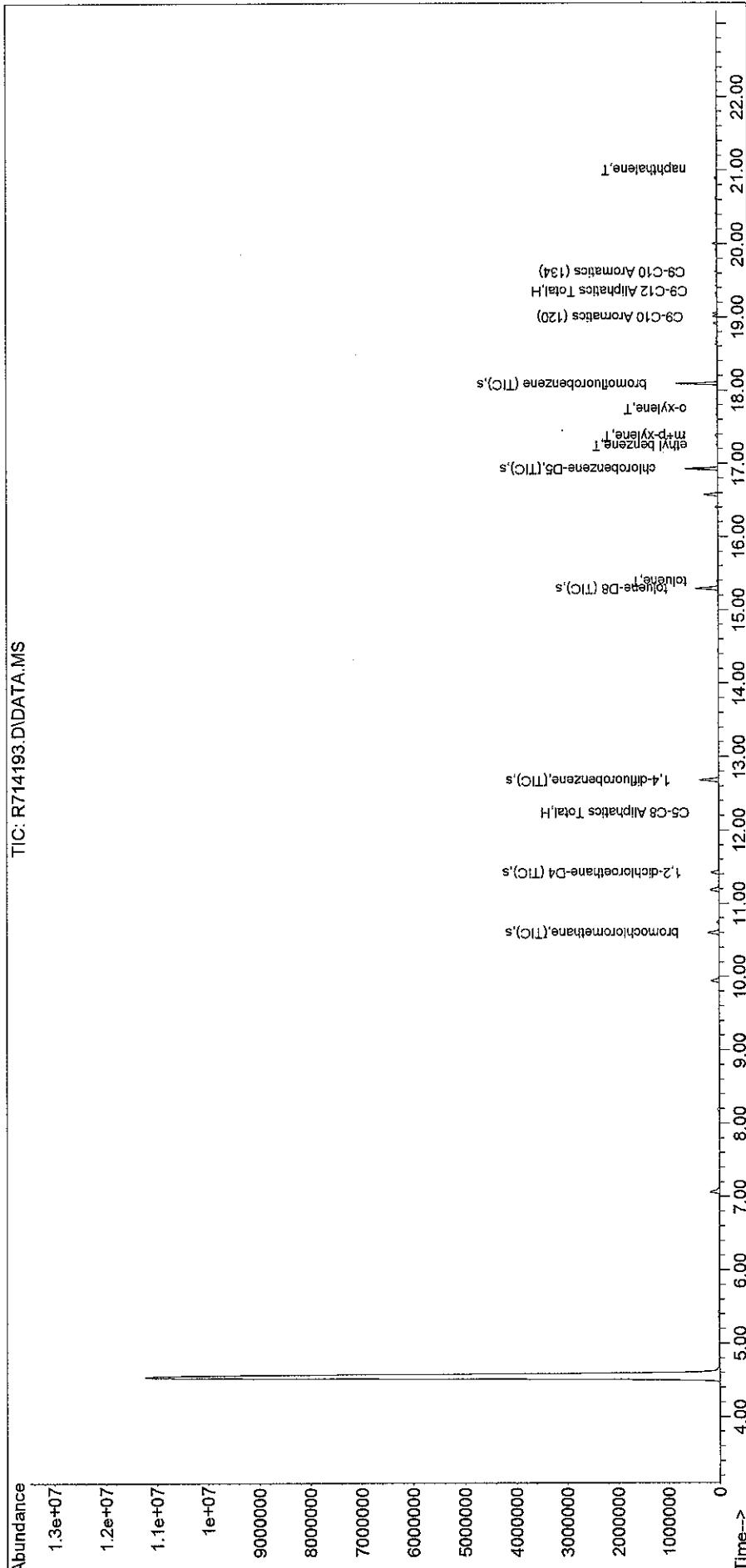
Quant Method : O:\Forensics\DATA\Airlab7\2010\101230A\APH101229.M

Quant Title : APH Analysis

QLast Update : Thu Dec 30 10:02:10 2010

Response via : Initial Calibration

TIC: R714193.D\DATA.MS



Sub List : APH\_STD\_M - .ion Report (QT Reviewed)

Data Path : O:\Forensics\DATA\Airlab7\2010\101230A\  
 Data File : R714175.D  
 Acq On : 30 Dec 2010 5:10 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020384-02,3,250,250  
 Misc : WG449913,ICAL5560  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 05 11:09:05 2011

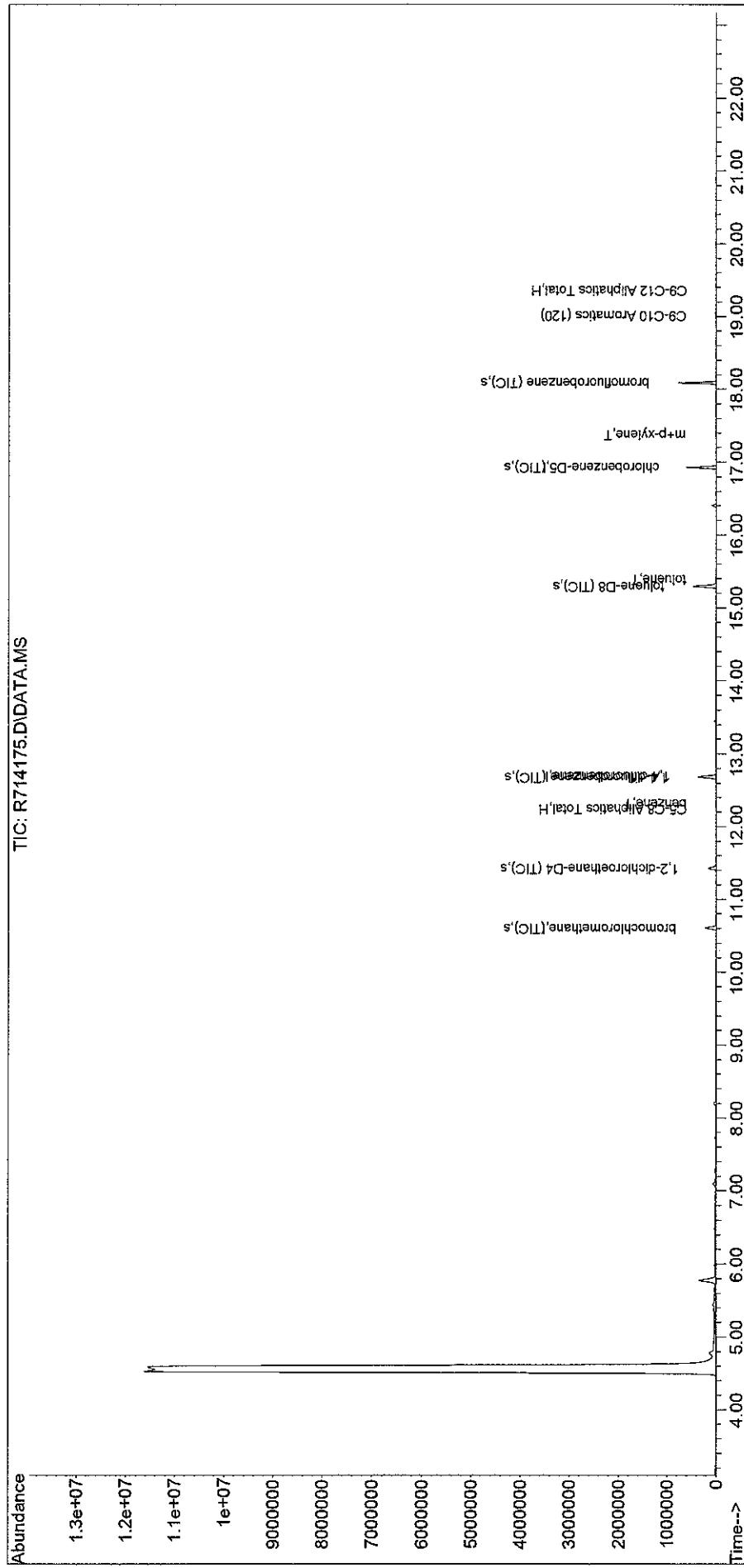
Quant Method : O:\Forensics\DATA\Airlab7\2010\101230A\APH101229.M

Quant Title : APH Analysis

QLast Update : Thu Dec 30 10:02:10 2010

Response via : Initial Calibration

TIC: R714175.D\DATA.MS

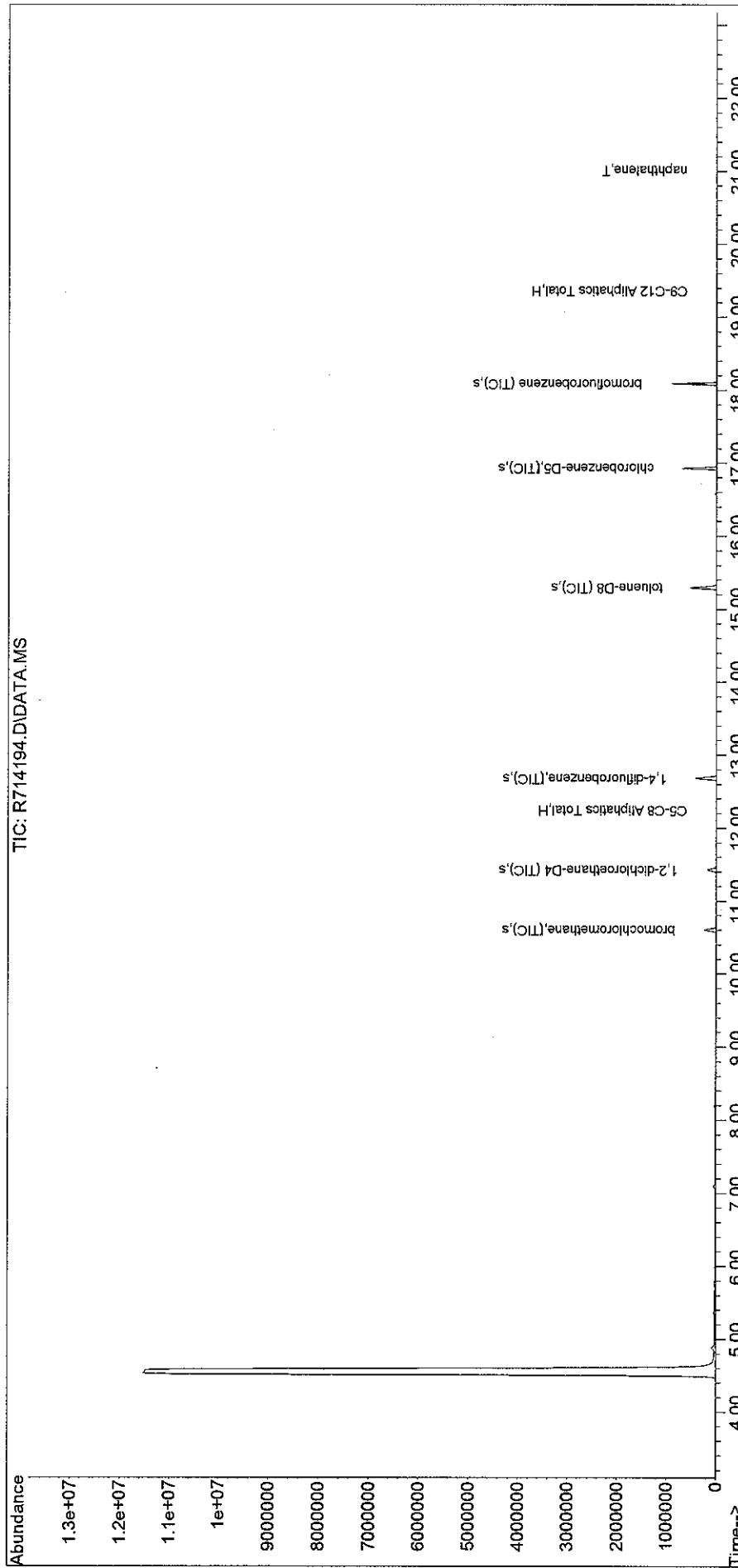


Sub List : APH\_STD\_M - .ion Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230A\  
 Data File : R714194.D  
 Acq On : 31 Dec 2010 8:58 am  
 Operator : AIRLAB7:BS  
 Sample : L1020384-03,3,250,250  
 Misc : WG449913,ICAL5560  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 05 11:20:50 2011  
 Quant Method : O:\Forensics\Data\Airlab7\2010\101230A\APH101229.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Dec 30 10:02:10 2010  
 Response via : Initial Calibration

TIC: R714194.D\DATA,MS

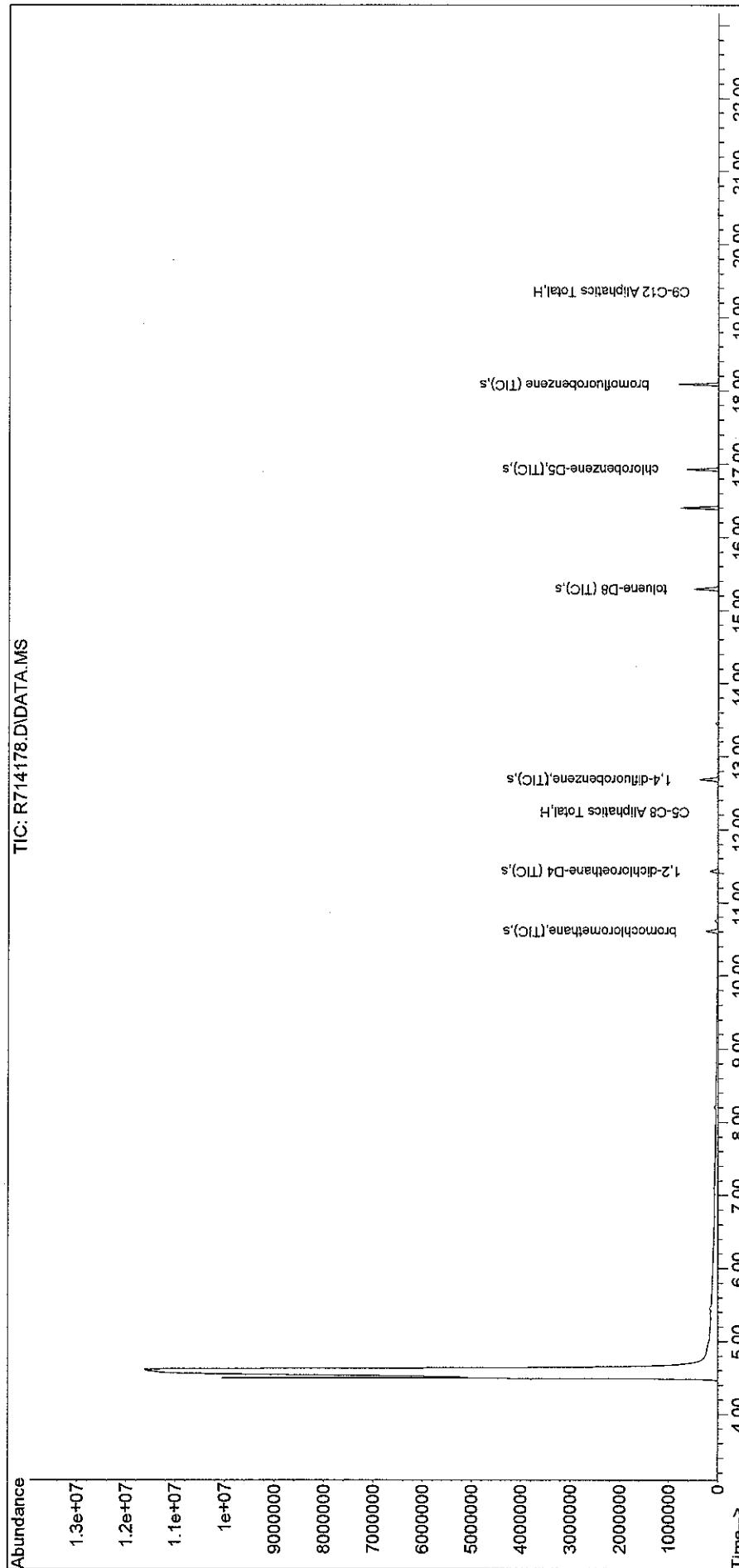


Sub List : APH\_STD\_M - .ion Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airlab7\2010\101230A\  
 Data File : R714178.D  
 Acq On : 30 Dec 2010 6:48 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020384-04,3,250,250  
 Misc : WG449913,ICALL5560  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 05 11:10:23 2011  
 Quant Method : O:\Forensics\Data\Airlab7\2010\101230A\APH101229.M  
 Quant Title : APH Analysis  
 QLast Update : Thu Dec 30 10:02:10 2010  
 Response via : Initial Calibration

TIC: R714178.D\DATA.MS



Sub List : APH\_STD\_M - .ion Report (QT Reviewed)

Data Path : O:\Forensics\Data\AirLab7\2010\101230A\  
 Data File : R714179.D  
 Acq On : 30 Dec 2010 7:22 pm  
 Operator : AIRLAB7:BS  
 Sample : L1020384-05,3,250,250  
 Misc : WG449913,ICALL5560  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 05 11:11:17 2011

Quant Method : O:\Forensics\Data\AirLab7\2010\101230A\APH101229.M  
 Quant Title : APH Analysis

QLast Update : Thu Dec 30 10:02:10 2010

Response via : Initial Calibration

TIC: R714179.D\DATA.MS

