EnviroTrac
Environmental Services

April 30, 2007

United States Environmental Protection Agency
RGP – NOI Processing
1 Congress Street
Boston, Massachusetts 02114-2023

Re: Remediation General Permit (RGP) – Notice of Intent (NOI)
Future Hess Gasoline Station
946 Washington Street
South Attleboro, Massachusetts 02703-7870
MassDEP RTN 4-20382

To Whom It May Concern:

At the request of Hess Corporation (Hess), EnviroTrac Ltd (EnviroTrac) is submitting the attached RGP-NOI for the above-referenced location, referred to as the "site." The RGP-NOI form is included as **Attachment A**. The site is currently used for commercial and residential purposes. Temporary construction dewatering is necessary for excavations required for construction of a new gasoline station. Gauging of monitoring wells recently completed at the site revealed groundwater to be located at 4 to 7 feet below grade surface (bgs). Excavations to approximately 16 feet bgs will be required for installation of underground storage tanks (USTs). The locations of the site and discharge receiving waters are depicted on **Figure 1**. Also attached is a site plan (**Figure 2**), which depicts the existing site features and the catch basin which represents the proposed discharge point.

During the construction dewatering process, groundwater will be pumped from the excavation(s) into a fractionation tank for settlement, and then pumped through one of two bag filters before treatment via two 1,000-pound liquid phase carbon units. A schematic drawing is included in **Attachment B**. The treated effluent will be discharged via the catch basin on Mendon Road, adjacent to the property, which discharges to Cranberry Ponds, a Massachusetts Class B surface water body. The average discharge rate of treated groundwater is anticipated to be up to 25 gallons per minute. EnviroTrac has received authorization from the City of Attleboro Department of Public Works (DPW) to discharge to the catch basin.

On November 1, 2006 and April 30, 2007, groundwater samples were obtained from an existing monitoring well. Based on the analytical data, total petroleum hydrocarbons (TPH), gasoline-related volatile organic compounds, naphthalene, acetone, and metals (arsenic, trivalent chromium, copper, iron, lead, mercury, nickel, and zinc) were detected. Arsenic, chromium, copper, iron, lead, nickel, and zinc were reported at concentrations exceeding the applicable Effluent Limitations published in Appendix III of the RGP under the National Pollutant Discharge Elimination System (NPDES) for Discharges in Massachusetts. Copper, iron, lead and zinc exceeded the applicable Appendix IV limitations. The laboratory analytical reports supporting

this submittal are included in **Attachment C**, and the Appendix III/Appendix IV limitation comparisons are presented in **Table 1**.

The site is not located at or near any location specified in the RGP as subject to consultation with the U.S. Fisheries and Wildlife Service or the National Fisheries Service. According to the National Park Service's National Register Information System (NRIS) (http://www.nr.nps.gov/), the nearest listed historical sites are the John E. Adams House located at 11 Allen Avenue in Pawtucket, approximately one mile southwest of the site, and the Central Falls Mill Historic District, approximately one mile west-southwest of the site. The Massachusetts Historical Commission's Massachusetts Cultural Resource Information System (MACRIS) (http://www.sec.state.ma.us/mhc/) listed more than 100 sites in Attleboro. The nearest Massachusetts-listed site, 73 Gardner Avenue, is located approximately one-third mile northwest of the site. Based on the distances to the site, the discharge will not likely adversely affect the historical sites. Copies of the NRIS and MACRIS listings are included in **Attachment D**.

The excavation and dewatering will be conducted as a Release Abatement Measure (RAM) pursuant to the Massachusetts Contingency Plan (MCP) as set forth at 310 CMR 40.0400. Therefore, completion and submittal of State Application Form BRPWM 12 or payment of a state fee are not required.

If you have any questions or require further information, please contact the undersigned at (781) 769-5005.

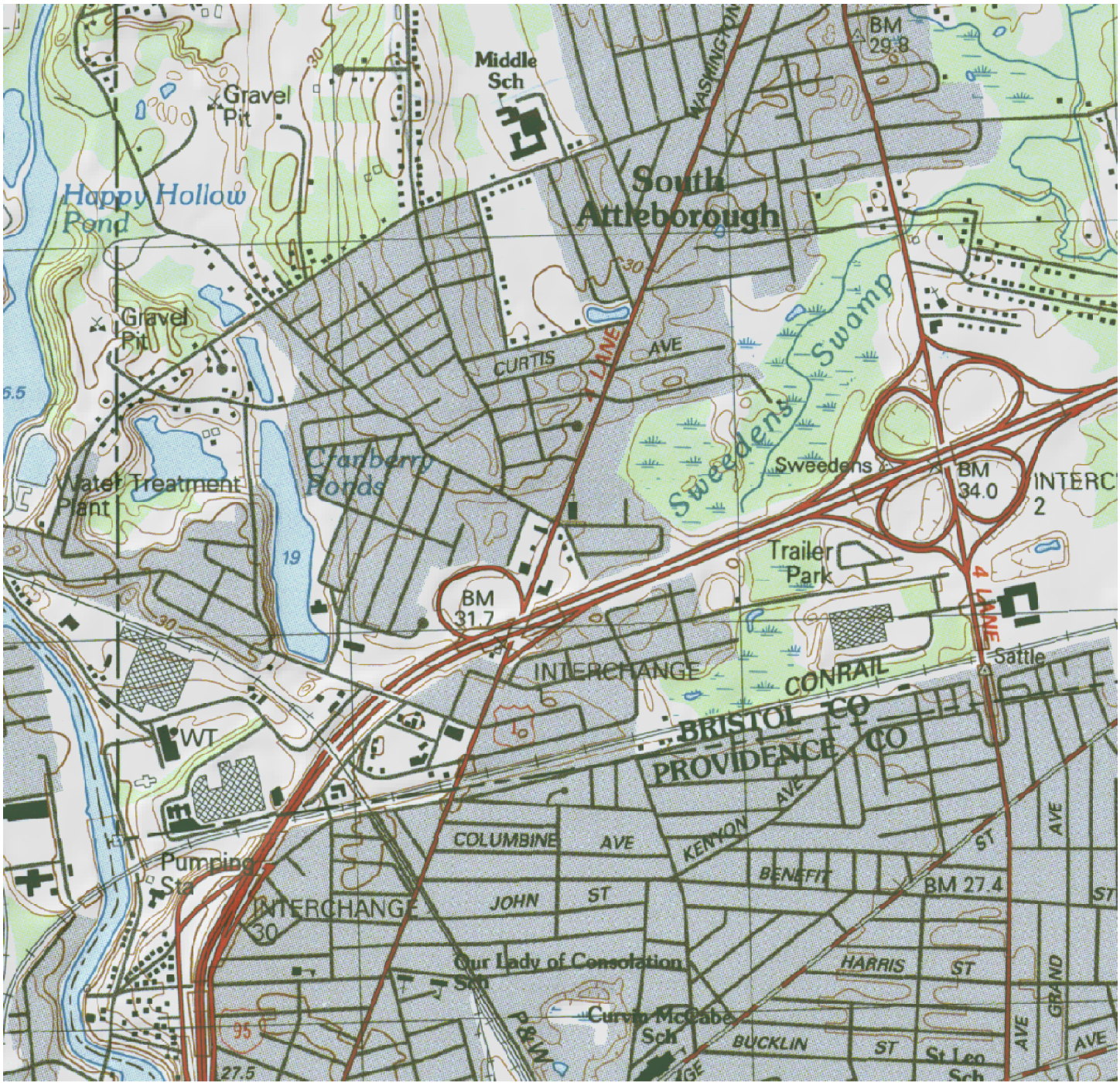
Sincerely,
***EnviroTrac Ltd.***

Patrick D. Corcoran, LSP
Senior Project Manager

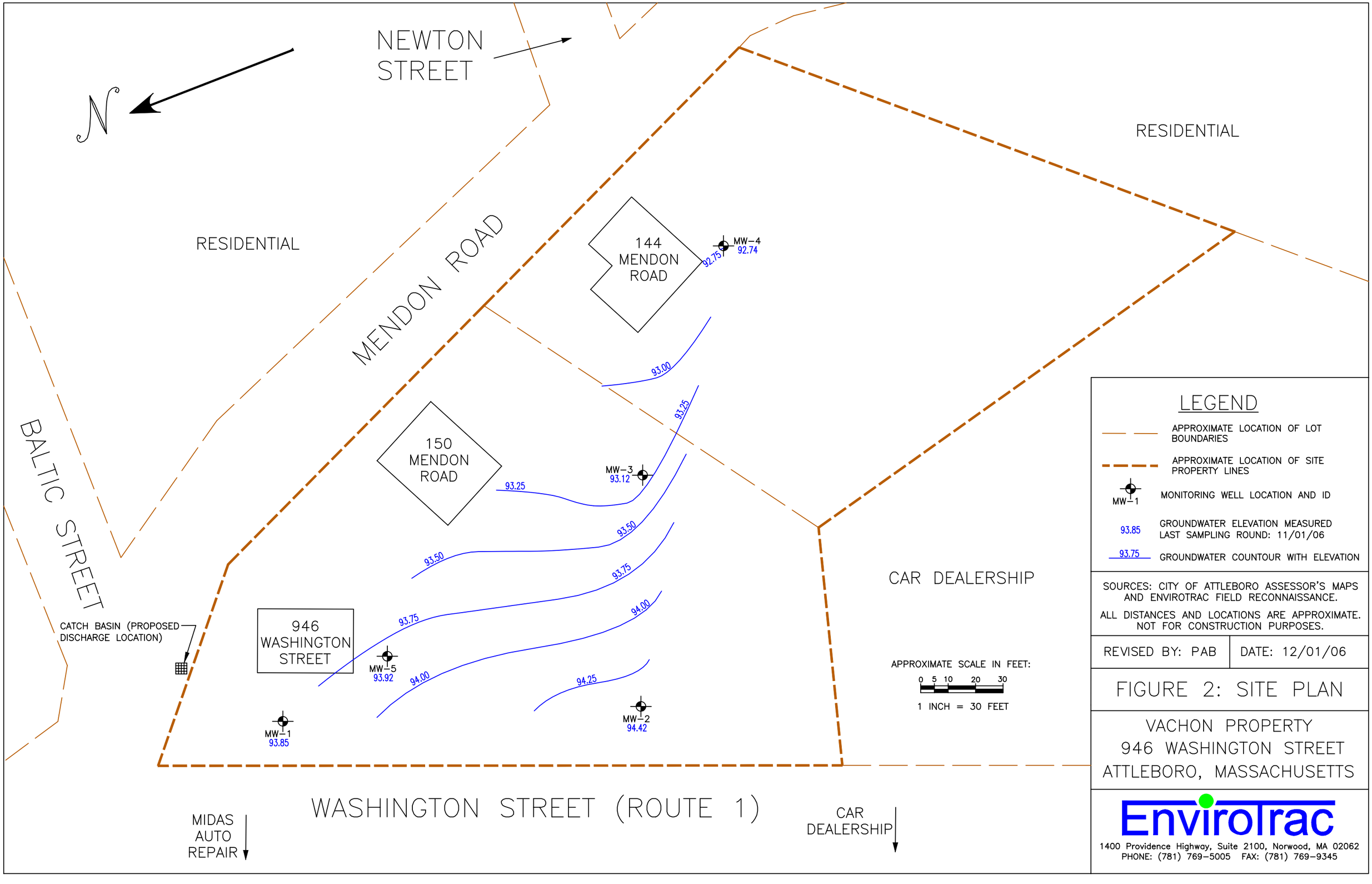
cc.: MassDEP
Kevin J. Dumas, Mayor, City of Attleboro
M. Matri, Hess Corporation

EnviroTrac

**FIGURES**




UTM Coordinates:
4,641,479 m N
303,591 m E




## LEGEND

- APPROXIMATE LOCATION OF LOT BOUNDARIES
- APPROXIMATE LOCATION OF SITE PROPERTY LINES
- MW-1 — MONITORING WELL LOCATION AND ID
- 93.85 — GROUNDWATER ELEVATION MEASURED LAST SAMPLING ROUND: 11/01/06
- 93.75 — GROUNDWATER COUNTOUR WITH ELEVATION

SOURCES: CITY OF ATTLEBORO ASSESSOR'S MAPS AND ENVIROTRAC FIELD RECONNAISSANCE.

ALL DISTANCES AND LOCATIONS ARE APPROXIMATE. NOT FOR CONSTRUCTION PURPOSES.

| REVISED BY: PAB | DATE: 12/01/06 |
|---|---|

# FIGURE 2: SITE PLAN

VACHON PROPERTY
946 WASHINGTON STREET
ATTLEBORO, MASSACHUSETTS

EnviroTrac
1400 Providence Highway, Suite 2100, Norwood, MA 02062
PHONE: (781) 769-5005 FAX: (781) 769-9345

**TABLE**

**TABLE 1**

**GROUNDWATER METAL DILUTION COMPARISON**
**Future Hess Gasoline Station**
**946 Washington Street**
**South Attleboro, Massachusetts**

| Detected Metal | Untreated Concentration (µg/L) | Appendix III Limitation Fresh Water (µg/L) | Untreated Meets App. III Limitation (Yes/No) | Appendix IV Limitation Fresh Water (µg/L) | Diluted Meets App. IV Limitation (Yes/No) |
|---|---|---|---|---|---|
| Arsenic | 37 | 10 | No | 100 | Yes |
| Chromium III | 237 | 48.8 | No | 489 | Yes |
| Copper | 373 | 5.2 | No | 52 | **No** |
| Iron | 212,000 | 1,000 | No | 5,000 | **No** |
| Lead | 526 | 1.3 | No | 13 | **No** |
| Mercury | 1.5 | 0.9 | No | 2.3 | Yes |
| Nickel | 158 | 29.0 | No | 290 | Yes |
| Zinc | 1,030 | 66.6 | No | 666 | **No** |

**NOTES:**

µg/L = micrograms per liter
Untreated concentration = concentration in groundwater sampled obtained on 04/05/2007
Appendix III Limitation, Fresh Water = RGP Appendix III Effluent Limitations
Appendix IV Limitation, Fresh Water = RGP Appendix IV Effluent Limitations
Dilution Factor (DF) = 10 (assumed for discharge to pond)

**ATTACHMENT A**

## B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

**1. General site information.** Please provide the following information about the site:

<table>
<tr><td colspan="2">a) Name of facility/site: Future Hess gasoline station</td><td colspan="4">Facility/site address:</td></tr>
<tr><td>Location of facility/site:<br>longitude: 71.37 latitude: 41.90</td><td>Facility SIC code(s):<br>5541</td><td colspan="4">Street:<br>946 Washington Street</td></tr>
<tr><td colspan="2">b) Name of facility/site owner: Hess Corporation; attn. Michael H. Matri</td><td colspan="4">Town: Attleboro</td></tr>
<tr><td colspan="2">Email address of owner: mmatri@hess.com</td><td>State:<br>MA</td><td>Zip:<br>02703-7870</td><td colspan="2">County:<br>Bristol</td></tr>
<tr><td colspan="2">Telephone no.of facility/site owner: (732) 750-6432</td><td colspan="4" rowspan="2"></td></tr>
<tr><td colspan="2">Fax no. of facility/site owner: (732) 352-7799</td></tr>
<tr><td colspan="2">Address of owner (if different from site):</td><td colspan="4">Owner is (check one): 1. Federal____ 2. State/Tribal____<br>3. Private__✔__ 4. other, if so, describe:</td></tr>
<tr><td colspan="6">Street: 1 Hess Plaza</td></tr>
<tr><td colspan="2">Town: Woodbridge</td><td>State: NJ</td><td>Zip: 07095</td><td colspan="2">County: Middlesex</td></tr>
<tr><td colspan="2" rowspan="2">c) Legal name of operator:<br>EnviroTrac Ltd.</td><td colspan="4">Operator telephone no: (781) 769-5005</td></tr>
<tr><td colspan="2">Operator fax no.: (781) 769-9345</td><td colspan="2">Operator email: patrickc@envirotrac.com</td></tr>
<tr><td colspan="6">Operator contact name and title: Patrick D. Corcoran, LSP</td></tr>
<tr><td colspan="2">Address of operator (if different from owner):</td><td colspan="4">Street: 1400 Providence Hwy., Ste. 2100</td></tr>
<tr><td colspan="2">Town: Norwood</td><td>State: MA</td><td>Zip: 02062</td><td colspan="2">County: Norfolk</td></tr>
<tr><td colspan="6">d) Check “yes” or “no” for the following:<br>1. Has a prior NPDES permit exclusion been granted for the discharge? Yes___ No__✔__, if “yes,” number:<br>2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes___ No__✔__, if “yes,” date and tracking #:<br>3. Is the discharge a “new discharge”as defined by 40 CFR 122.2? Yes__✔__ No___<br>4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes__✔__ No__</td></tr>
</table>

| | |
|---|---|
| e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes___ No✔<br>If "yes," please list:<br>1. site identification # assigned by the state of NH or MA:<br>2. permit or license # assigned:<br>3. state agency contact information: name, location, and telephone number: | f) Is the site/facility covered by any other EPA permit, including:<br>1. multi-sector storm water general permit? Y___ N✔, if Y, number:<br>2. phase I or II construction storm water general permit? Y___ N✔,<br>if Y, number:<br>3. individual NPDES permit? Y___ N✔, if Y, number:<br>4. any other water quality related permit? Y___ N✔, if Y, number: |

**2. Discharge information**. Please provide information about the discharge, (attaching additional sheets as needed) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:
Approx. 25 gpm of groundwater will be pumped into a fractionation tank and then one of two bag filters and two 1,000-pound liquid phase carbon units arranged in series. The effluent will be discharged to a catch basin that ultimately discharges to Town River.

| | | |
|---|---|---|
| b) Provide the following information about each discharge: | 1) Number of discharge points:<br>1 | 2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft3/s)? Max. flow 25<br>Average flow 25 Is maximum flow a **design value**? Y✔ N___<br>For average flow, include the units and appropriate notation if this value is a design value or estimate if not available.<br>25 gpm, design value |

3) Latitude and longitude of each discharge within 100 feet: pt.1:long. 71.37 lat. 41.90 ; pt.2: long._____ lat._____; pt.3: long._____ lat._____;
pt.4:long._____ lat._____; pt.5: long._____ lat._____; pt.6:long._____ lat._____; pt.7: long._____ lat._____; pt.8:long._____ lat._____; etc.

| | |
|---|---|
| 4) If hydrostatic testing, total volume of the discharge (gals):<br>N/A | 5) Is the discharge intermittent ✔ or seasonal_____?<br>Is discharge ongoing Yes ____ No✔? |

c) Expected dates of discharge (mm/dd/yy): start 06/01/2007 end 08/31/2007

d) Please attach a line drawing or flow schematic showing water flow through the facility including: See attached
1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for **all** of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

| | | | | | | |
|---|---|---|---|---|---|---|
| Gasoline Only ✔ | VOC Only ☐ | Primarily Metals ☐ | Urban Fill Sites ☐ | Contaminated Sumps ☐ | Mixed Contaminants ☐ | Aquifer Testing ☐ |
| Fuel Oils (and Other Oils) only ☐ | VOC with Other Contaminants ☐ | Petroleum with Other Contaminants ☐ | Listed Contaminated Sites ☐ | Contaminated Dredge Condensates ☐ | Hydrostatic Testing of Pipelines/Tanks ☐ | Well Development or Rehabilitation ☐ |

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

| **PARAMETER** | **Believe Absent** | **Believe Present** | **# of Samples (1 min-imum)** | **Type of Sample (e.g., grab)** | **Analytical Method Used (method #)** | **Minimum Level (ML) of Test Method** | **Maximum daily value** | | **Avg. daily value** | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | **concentration (ug/l)** | **mass (kg)** | **concentration (ug/l)** | **mass (kg)** |
| **1. Total Suspended Solids** | ☐ | ✔ | 1 | Grab | 160.2 | 40 | 14,900,000 | 142 | 14,900,000 | 142 |
| **2. Total Residual Chlorine** | ✔ | ☐ | 1 | Grab | 330.4 | 50 | 0 | 0 | 0 | 0 |
| **3. Total Petroleum Hydrocarbons** | ☐ | ✔ | 1 | Grab | 8015 | 220 | 457 | 0.0043 | 457 | 0.0043 |
| **4. Cyanide** | ☐ | ☐ | 1 | Grab | 335.3 | 10 | 0 | 0 | 0 | 0 |
| **5. Benzene** | ☐ | ✔ | 1 | Grab | 8260B | 1.0 | 5.0 | 4.76E-5 | 5.0 | 4.76E-5 |
| **6. Toluene** | ☐ | ✔ | 1 | Grab | 8260B | 1.0 | 2.1 | 2.00E-5 | 2.1 | 2.00E-5 |
| **7. Ethylbenzene** | ☐ | ✔ | 1 | Grab | 8260B | 1.0 | 9.7 | 9.22E-5 | 9.7 | 9.22E-5 |
| **8. (m,p,o) Xylenes** | ☐ | ✔ | 1 | Grab | 8260B | 1.0 | 29 | 2.76E-4 | 29 | 2.76E-4 |
| **9. Total BTEX**[4] | ☐ | ✔ | 1 | Grab | 8260B | | 46 | 4.37E-4 | 46 | 4.37E-4 |

[4] BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

| PARAMETER | Believe Absent | Believe Present | # of Samples (1 min-imum) | Type of Sample (e.g., grab) | Analytical Method Used (method #) | Minimum Level (ML) of Test Method | Maximum daily value | | Avg. daily value | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | concentration (ug/l) | mass (kg) | concentration (ug/l) | mass (kg) |
| **10. Ethylene Dibromide [5] (1,2- Dibromo-methane)** | ✔ | | 1 | Grab | 8011 | 0.015 | 0 | 0 | 0 | 0 |
| **11. Methyl-tert-Butyl Ether (MtBE)** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |
| **12. tert-Butyl Alcohol (TBA)** | ✔ | | 1 | Grab | 8260B | 5.0 | 0 | 0 | 0 | 0 |
| **13. tert-Amyl Methyl Ether (TAME)** | | ✔ | 1 | Grab | 8260B | 5.0 | 150 | 0.0014 | 150 | 0.0014 |
| **14. Naphthalene** | | ✔ | 1 | Grab | 8260B | 1.0 | 7.0 | 6.66E-5 | 7.0 | 6.66E-5 |
| **15. Carbon Tetra-chloride** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |
| **16. 1,4 Dichlorobenzene** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |
| **17. 1,2 Dichlorobenzene** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |
| **18. 1,3 Dichlorobenzene** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |
| **19. 1,1 Dichloroethane** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |
| **20. 1,2 Dichloroethane** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |
| **21. 1,1 Dichloroethylene** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |
| **22. cis-1,2 Dichloro-ethylene** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |
| **23. Dichloromethane (Methylene Chloride)** | ✔ | | 1 | Grab | 8260B | 10 | 0 | 0 | 0 | 0 |
| **24. Tetrachloroethylene** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |

[5] EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

| PARAMETER | Believe Absent | Believe Present | # of Samples (1 min-imum) | Type of Sample (e.g., grab) | Analytical Method Used (method #) | Minimum Level (ML) of Test Method | Maximum daily value | | Avg. daily Value | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | concentration (ug/l) | mass (kg) | concentration (ug/l) | mass (kg) |
| **25. 1,1,1 Trichloroethane** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |
| **26. 1,1,2 Trichloroethane** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |
| **27. Trichloroethylene** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |
| **28. Vinyl Chloride** | ✔ | | 1 | Grab | 8260B | 1.0 | 0 | 0 | 0 | 0 |
| **29. Acetone** | | ✔ | 1 | Grab | 8260B | 1.0 | 9.6 | 9.13E-5 | 9.6 | 9.13E-5 |
| **30. 1,4 Dioxane** | ✔ | | 1 | Grab | 8260B | 50 | 0 | 0 | 0 | 0 |
| **31. Total Phenols** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **32. Pentachlorophenol** | ✔ | | 1 | Grab | 8270C | 10 | 0 | 0 | 0 | 0 |
| **33. Total Phthalates [6] (Phthalate esthers)** | ✔ | | 1 | Grab | 8270C | | 0 | 0 | 0 | 0 |
| **34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)** | ✔ | | 1 | Grab | 8270C | | 0 | 0 | 0 | 0 |
| **a. Benzo(a) Anthracene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **b. Benzo(a) Pyrene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **c. Benzo(b)Fluoranthene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **d. Benzo(k) Fluoranthene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **e. Chrysene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |

[6] The sum of individual phthalate compounds.

| PARAMETER | Believe Absent | Believe Present | # of Samples (1 min-imum) | Type of Sample (e.g., grab) | Analytical Method Used (method #) | Minimum Level (ML) of Test Method | Maximum daily value | | Average daily value | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | concentration (ug/l) | mass (kg) | concentration (ug/l) | mass (kg) |
| **f. Dibenzo(a,h) anthracene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **g. Indeno(1,2,3-cd) Pyrene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)** | ✔ | | 1 | Grab | 8270C | | 0 | 0 | 0 | 0 |
| **h. Acenaphthene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **i. Acenaphthylene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **j. Anthracene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **k. Benzo(ghi) Perylene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **l. Fluoranthene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **m. Fluorene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **n. Naphthalene-** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **o. Phenanthrene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **p. Pyrene** | ✔ | | 1 | Grab | 8270C | 5.1 | 0 | 0 | 0 | 0 |
| **37. Total Polychlorinated Biphenyls (PCBs)** | ✔ | | 1 | Grab | 8082 | 0.2 | 0 | 0 | 0 | 0 |
| **38. Antimony** | ✔ | | 1 | Grab | 6010B | 6.0 | 0 | 0 | 0 | 0 |
| **39. Arsenic** | | ✔ | 1 | Grab | 6010B | 10 | 37 | 3.52E-4 | 37 | 3.52E-4 |
| **40. Cadmium** | ✔ | | 1 | Grab | 6010B | 4.0 | 0 | 0 | 0 | 0 |
| **41. Chromium III** | | ✔ | 1 | Grab | 6010B | 10 | 237 | 0.0023 | 237 | 0.0023 |
| **42. Chromium VI** | ✔ | | 1 | Grab | 7196A | 10 | 0 | 0 | 0 | 0 |

| PARAMETER | Believe Absent | Believe Present | # of Samples (1 min-imum) | Type of Sample (e.g., grab) | Analytical Method Used (method #) | Minimum Level (ML) of Test Method | Maximum daily value | | Avg. daily value | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | concentration (ug/l) | mass (kg) | concentration (ug/l) | mass (kg) |
| **43. Copper** | | ✔ | 1 | Grab | 6010B | 25 | 373 | 0.0035 | 373 | 0.0035 |
| **44. Lead** | | ✔ | 1 | Grab | 6010B | 5.0 | 526 | 0.0050 | 526 | 0.0050 |
| **45. Mercury** | | ✔ | 1 | Grab | SW7470A | 0.20 | 1.5 | 1.43E-5 | 1.5 | 1.43E-5 |
| **46. Nickel** | | ✔ | 1 | Grab | 6010B | 40 | 158 | 0.0015 | 158 | 0.0015 |
| **47. Selenium** | ✔ | | 1 | Grab | 6010B | 10 | 0 | 0 | 0 | 0 |
| **48. Silver** | ✔ | | 1 | Grab | 6010B | 5.0 | 0 | 0 | 0 | 0 |
| **49. Zinc** | | ✔ | 1 | Grab | 6010B | 20 | 1,030 | 0.010 | 1,030 | 0.010 |
| **50. Iron** | | ✔ | 1 | Grab | 6010B | 100 | 212,000 | 2.0 | 212,000 | 2.0 |
| **Other (describe):** | | | | | | | | | | |

c) For discharges where **metals** are believed present, please fill out the following:

| | |
|---|---|
| *Step 1:* Do any of the metals in the influent have a **reasonable potential** to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y ✔ N | If yes, which metals? As, Cr(III), Cu, Pb, Hg, Ni, Zn, Fe |
| *Step 2:* For any metals which have **reasonable potential** to exceed the **Appendix III** limits, calculate the **dilution factor (DF)** using the formula in Part I.A.3.c) (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI.<br>What is the dilution factor for applicable metals?<br>Metals: As, Cr(III), Cu, Pb, Hg, Ni, Zn, Fe<br>DF: 10 | Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)?<br>Y ✔ N If "Yes," list which metals: Cu, Fe, Pb, Zn |

**4. Treatment system information.** Please describe the treatment system using separate sheets as necessary, including:

| | | | | | | |
|---|---|---|---|---|---|---|
| a) A description of the treatment system, including a schematic of the proposed or existing treatment system: | | | | | | |
| b) Identify each applicable treatment unit (check all that apply): | Frac. tank ✔ | Air stripper | Oil/water separator | Equalization tanks | Bag filter ✔ | GAC filter ✔ |
| | Chlorination | Dechlorination | Other (please describe): | | | |
| c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate**(s) (gallons per minute) of the treatment system: Average flow rate of discharge 25 Maximum flow rate of treatment system 25 Design flow rate of treatment system 25 | | | | | | |
| d) A description of chemical additives being used or planned to be used (attach MSDS sheets): No chemical additives will be used. | | | | | | |

**5. Receiving surface water(s).** Please provide information about the receiving water(s), using separate sheets as necessary:

| | | | | | | |
|---|---|---|---|---|---|---|
| a) Identify the discharge pathway: | Direct | Within facility | Storm drain ✔ | River/brook | Wetlands | Other (describe): |
| b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: Treated water will discharge to storm drain next to facility. Storm drain system discharges to Cranberry Ponds. | | | | | | |
| c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water: See attached.<br>1. For multiple discharges, number the discharges sequentially.<br>2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water<br>The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas. | | | | | | |
| d) Provide the state water quality classification of the receiving water Class B, | | | | | | |
| e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water N/A cfs<br>Please attach any calculation sheets used to support stream flow and dilution calculations. | | | | | | |
| f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes No ✔ If yes, for which pollutant(s)?<br>Is there a TMDL? Yes No ✔ If yes, for which pollutant(s)? | | | | | | |

**6. Results of Consultation with Federal Services:** Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes____No ✓
Has any consultation with the federal services been completed ? No✓ or is consultation underway? Yes No____
What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (~~check~~ one):
a "no jeopardy" opinion? _____or written concurrence____ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?

b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?
Yes_____ No✓ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes_____ No✓

**7. Supplemental information**. :

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

**8. Signature Requirements:** The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Facility/Site Name: Future Hess gasoline station, 946 Washington St., South Attleboro, MA

Operator signature: 

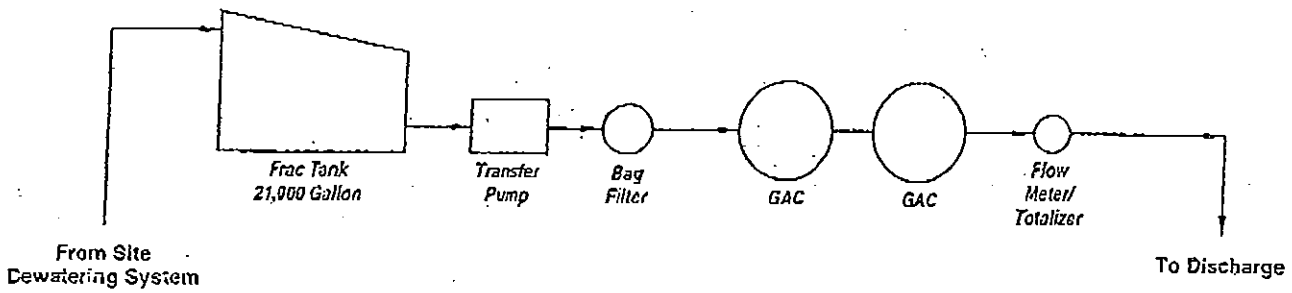
Title: Patrick D. Corcoran, LSP; Senior Project Manager

Date: 04/30/2007

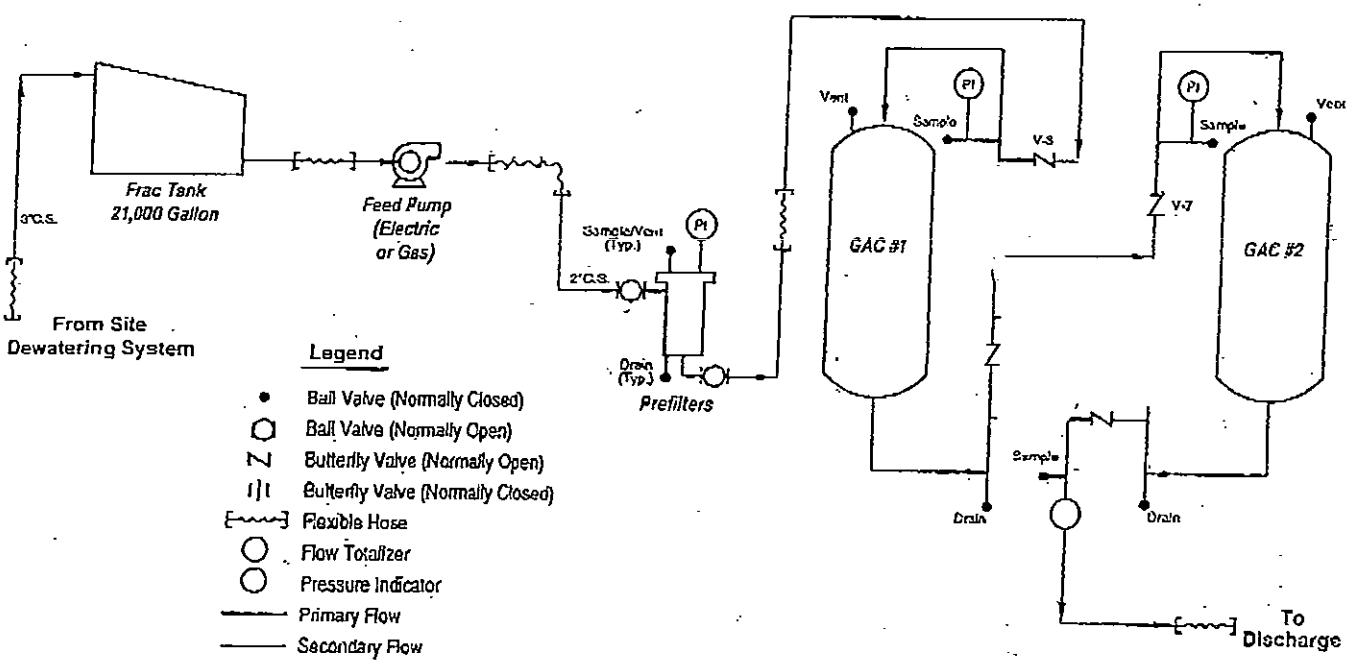
**ATTACHMENT B**

# SERVICE TECH, INC.

*Activated Carbon Engineering, Sales and Service*




## Process Flow Diagram
## Dewatering Treatment System (Typical)



**ATTACHMENT C**

# REPORT OF ANALYTICAL RESULTS

## NETLAB Case Number R1103-09

Revised Report (Revision 2)

Prepared for:

Attn: Brian Snow
Envirotrac Ltd.
1400 Providence Hwy, Suite 2100
Norwood, MA 02062

Report Date: April 26, 2007

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

## ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #:

Project Location: Hess ESA - Vachon Properties RTN[1]:

This form provides certifications for the following data set: R1103-09

Sample Matrices: Groundwater (X) Soil/Sediment ( ) Drinking Water ( ) Other:

| SW-846 Methods Used | | | | | |
|---|---|---|---|---|---|
| | 8260B (X) | 8151A ( ) | 8330 ( ) | 6010B ( ) | 7470A/1A ( ) |
| | 8270C ( ) | 8081A ( ) | VPH (X) | 6020 ( ) | 9014M[2] ( ) |
| | 8082 (X) | 8021B ( ) | EPH (X) | 7000 S[3] ( ) | Other: (X) |

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

***An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status***

| | | |
|---|---|---|
| A | Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set? | Yes (X) No[1] ( ) |
| B | Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines? | Yes (X) No[1] ( ) |
| C | Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? | Yes (X) No[1] ( ) Not Applicable ( ) |
| D | ***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods) | Yes (X) No[1] ( ) |

***A response to questions E and F below is required for "Presumptive Certainty" status***

| | | |
|---|---|---|
| E | Were all QC performance standards and recommendations for the specified methods achieved? | Yes (X) No[1] ( ) |
| F | Were results for all analyte-list compounds/elements for the specified method(s) reported? | Yes (X) No[1] ( ) |

*[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.*

***I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.***

Signature: Position: Laboratory Director

Printed Name: Richard Warila Date: 4/26/2007

## ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #:

Project Location: Hess ESA Vachon Property RTN[1]:

This form provides certifications for the following data set: R1103-09

Sample Matrices: Groundwater (X) Soil/Sediment ( ) Drinking Water ( ) Other:

| SW-846 Methods Used | | | | | |
|---|---|---|---|---|---|
| | 8260B ( ) | 8151A ( ) | 8330 ( ) | 6010B (X) | 7470A/1A (X) |
| | 8270C ( ) | 8081A ( ) | VPH ( ) | 6020 ( ) | 9014M[2] ( ) |
| | 8082 ( ) | 8021B ( ) | EPH ( ) | 7000 S[3] ( ) | Other: ( ) |

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

***An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status***

| | | |
|---|---|---|
| A | Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set? | Yes (X) No[1] ( ) |
| B | Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines? | Yes (X) No[1] ( ) |
| C | Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? | Yes (X) No[1] ( ) Not Applicable ( ) |
| D | ***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods) | Yes ( ) No[1] ( ) |

***A response to questions E and F below is required for "Presumptive Certainty" status***

| | | |
|---|---|---|
| E | Were all QC performance standards and recommendations for the specified methods achieved? | Yes (X) No[1] ( ) |
| F | Were results for all analyte-list compounds/elements for the specified method(s) reported? | Yes (X) No[1] ( ) |

*[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.*

***I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.***

Signature: Jodi Lyons Position: Director, Inorganics

Printed Name: Jodi Lyons Date: 11/10/2006

## STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

**SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:**

The samples listed in Table I were submitted to New England Testing Laboratory on November 3, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R1103-09.

Custody records are included in this report.

**Site: Hess ESA Vachon Property**

**TABLE I, Samples Submitted**

| Sample ID | Date Sampled | Matrix | Analysis Requested |
|---|---|---|---|
| | | | |
| MW-1 | 11/1/06 | Water | Table II, III |
| MW-2 | 11/1/06 | Water | Table II, III |
| MW-3 | 11/1/06 | Water | Table II, III |
| MW-4 | 11/1/06 | Water | Table II |

## TABLE II, Analysis and Methods

| ANALYSIS | PREPARATION METHOD | DETERMINATIVE METHOD |
|---|---|---|
| VPH | NA | * |
| EPH | NA | ** |

## TABLE III, Analysis and Methods

| ANALYSIS | PREPARATION METHOD | DETERMINATIVE METHOD |
|---|---|---|
| Volatile Organic Compounds | 5030B | 8260B |
| Ethanol | 5030B | 8260B |
| PCBs | 3510C | 8082 |
| Total Metals | | |
| Arsenic | 3010A | 6010B |
| Barium | 3010A | 6010B |
| Cadmium | 3010A | 6010B |
| Chromium | 3010A | 6010B |
| Lead | 3010A | 6010B |
| Mercury | NA | 7470A |
| Selenium | 7760 | 6010B |
| Silver | 3010A | 6010B |

These methods are documented in:

*Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MADEP.

**Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MADEP.

*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,* SW-846, USEPA.

**CASE NARRATIVE:**

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No trip blank or field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Volatile Organics:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

VPH:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

EPH:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Ethanol:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration and method blank were within method specified quality control criteria. No anomalies were encountered during the analysis.

Sample Results

# METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

## METALS RESULTS

Case Number: R1103-09
Sample ID: MW-1
Date collected: 11/01/06
Matrix WATER
Sample Type: Total

**Analyst** AR/MM

| Parameter | CAS Number | Preparative Method | Analytical Method | Result | Reporting Limit | Detection Limit | Units | Date of Preparation | Date Analyzed |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| Arsenic | 7440-38-2 | 3010A | 6010B | 0.03 | 0.01 | 0.01 | mg/l | 11/6/03 | 11/7/06 |
| Barium | 7440-39-3 | 3010A | 6010B | 0.131 | 0.005 | 0.005 | mg/l | 11/6/03 | 11/7/06 |
| Cadmium | 7440-43-9 | 3010A | 6010B | ND | 0.004 | 0.004 | mg/l | 11/6/03 | 11/7/06 |
| Chromium | 7440-47-3 | 3010A | 6010B | ND | 0.005 | 0.005 | mg/l | 11/6/03 | 11/7/06 |
| Lead | 7439-92-1 | 3010A | 6010B | ND | 0.005 | 0.005 | mg/l | 11/6/03 | 11/7/06 |
| Mercury | 7439-97-6 | NA | 7470A | ND | 0.0002 | 0.0002 | mg/l | 11/6/03 | 11/7/06 |
| Selenium | 7782-49-2 | 3010A | 6010B | 0.04 | 0.01 | 0.01 | mg/l | 11/6/03 | 11/7/06 |
| Silver | 7440-22-4 | 7760 | 6010B | ND | 0.005 | 0.005 | mg/l | 11/6/03 | 11/7/06 |

ND indicates not Detected

## METALS RESULTS

Case Number: R1103-09
Sample ID: MW-2
Date collected: 11/01/06
Matrix WATER
Sample Type: Total

**Analyst** AR/MM

| Parameter | CAS Number | Preparative Method | Analytical Method | Result | Reporting Limit | Detection Limit | Units | Date of Preparation | Date Analyzed |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| Arsenic | 7440-38-2 | 3010A | 6010B | 0.03 | 0.01 | 0.01 | mg/l | 11/6/03 | 11/7/06 |
| Barium | 7440-39-3 | 3010A | 6010B | 0.793 | 0.005 | 0.005 | mg/l | 11/6/03 | 11/7/06 |
| Cadmium | 7440-43-9 | 3010A | 6010B | ND | 0.004 | 0.004 | mg/l | 11/6/03 | 11/7/06 |
| Chromium | 7440-47-3 | 3010A | 6010B | ND | 0.005 | 0.005 | mg/l | 11/6/03 | 11/7/06 |
| Lead | 7439-92-1 | 3010A | 6010B | ND | 0.005 | 0.005 | mg/l | 11/6/03 | 11/7/06 |
| Mercury | 7439-97-6 | NA | 7470A | ND | 0.0002 | 0.0002 | mg/l | 11/6/03 | 11/7/06 |
| Selenium | 7782-49-2 | 3010A | 6010B | 0.04 | 0.01 | 0.01 | mg/l | 11/6/03 | 11/7/06 |
| Silver | 7440-22-4 | 7760 | 6010B | ND | 0.005 | 0.005 | mg/l | 11/6/03 | 11/7/06 |

ND indicates not Detected

## METALS RESULTS

Case Number: R1103-09
Sample ID: MW-3
Date collected: 11/01/06
Matrix WATER
Sample Type: Total

**Analyst** AR/MM

| Parameter | CAS Number | Preparative Method | Analytical Method | Result | Reporting Limit | Detection Limit | Units | Date of Preparation | Date Analyzed |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| Arsenic | 7440-38-2 | 3010A | 6010B | 0.01 | 0.01 | 0.01 | mg/l | 11/6/03 | 11/7/06 |
| Barium | 7440-39-3 | 3010A | 6010B | 0.097 | 0.005 | 0.005 | mg/l | 11/6/03 | 11/7/06 |
| Cadmium | 7440-43-9 | 3010A | 6010B | ND | 0.004 | 0.004 | mg/l | 11/6/03 | 11/7/06 |
| Chromium | 7440-47-3 | 3010A | 6010B | ND | 0.005 | 0.005 | mg/l | 11/6/03 | 11/7/06 |
| Lead | 7439-92-1 | 3010A | 6010B | ND | 0.005 | 0.005 | mg/l | 11/6/03 | 11/7/06 |
| Mercury | 7439-97-6 | NA | 7470A | ND | 0.0002 | 0.0002 | mg/l | 11/6/03 | 11/7/06 |
| Selenium | 7782-49-2 | 3010A | 6010B | 0.02 | 0.01 | 0.01 | mg/l | 11/6/03 | 11/7/06 |
| Silver | 7440-22-4 | 7760 | 6010B | ND | 0.005 | 0.005 | mg/l | 11/6/03 | 11/7/06 |

ND indicates not Detected

Sample ID: METHOD BLANK

Matrix WATER **Analyst** AR/MM

Sample Type: Preparation Blank

| Parameter | CAS Number | Preparative Method | Analytical Method | Result | Reporting Limit | Detection Limit | Units | Date of Preparation | Date Analyzed |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| Arsenic | 7440-38-2 | 3010A | 6010B | ND | 0.01 | 0.01 | mg/l | 11/6/06 | 11/7/06 |
| Barium | 7440-39-3 | 3010A | 6010B | ND | 0.005 | 0.005 | mg/l | 11/6/06 | 11/7/06 |
| Cadmium | 7440-43-9 | 3010A | 6010B | ND | 0.004 | 0.004 | mg/l | 11/6/06 | 11/7/06 |
| Chromium | 7440-47-3 | 3010A | 6010B | ND | 0.005 | 0.005 | mg/l | 11/6/06 | 11/7/06 |
| Lead | 7439-92-1 | 3010A | 6010B | ND | 0.005 | 0.005 | mg/l | 11/6/06 | 11/7/06 |
| Mercury | 7439-97-6 | NA | 7470A | ND | 0.0002 | 0.0002 | mg/l | 11/6/06 | 11/7/06 |
| Selenium | 7782-49-2 | 3010A | 6010B | ND | 0.01 | 0.01 | mg/l | 11/6/06 | 11/7/06 |
| Silver | 7440-22-4 | 7760 | 6010B | ND | 0.005 | 0.005 | mg/l | 11/6/06 | 11/7/06 |

ND indicates not Detected

# LABORATORY CONTROL SAMPLE RECOVERY

| Parameter | True Value | Result | Units | Recovery, % | Internal LCL, % | Internal UCL, % | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Arsenic | 1 | 0.955 | mg/l | 95.5 | 79 | 119 | 11/7/06 |
| Barium | 1 | 0.989 | mg/l | 98.9 | 92 | 112 | 11/7/06 |
| Cadmium | 1 | 0.974 | mg/l | 97.4 | 88 | 112 | 11/7/06 |
| Chromium | 1 | 0.926 | mg/l | 92.6 | 83 | 112 | 11/7/06 |
| Lead | 1 | 0.944 | mg/l | 94.4 | 85 | 113 | 11/7/06 |
| Mercury | 0.001 | 0.00102 | mg/l | 102 | 89 | 114 | 11/7/06 |
| Selenium | 1 | 0.897 | mg/l | 89.7 | 81 | 112 | 11/7/06 |
| Silver | 1 | 0.929 | mg/l | 92.9 | 74 | 119 | 11/7/06 |

# RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

| | | |
|---|---|---|
| **Sample: MW-1** | | Analyst's Initials: DC |
| **Case No. R1103-09** | | |
| **Date Collected: 11/1/06** | | |
| **Sample Matrix: Water** | | |
| **Subject: PCBs** | Date Extracted | Date Analyzed |
| **Prep Method: EPA 3510C** | 11/7/06 | 11/8/06 |
| **Analytical Method: EPA 8082** | | |
| | | |
| Compound | Concentration ug/l (ppb) | Reporting Limit |
| Aroclor-1221 | N.D. | 0.2 |
| Aroclor-1232 | N.D. | 0.2 |
| Aroclor-1016/1242 | N.D. | 0.2 |
| Aroclor -1248 | N.D. | 0.2 |
| Aroclor -1254 | N.D. | 0.2 |
| Aroclor -1260 | N.D. | 0.2 |
| Aroclor -1262 | N.D. | 0.2 |
| Aroclor -1268 | N.D. | 0.2 |
| | | |
| Surrogates: | | |
| Compound | % Recovery | Limits |
| TCMX | 103 | 25-141 |
| DCBP | 115 | 41-156 |

| | | |
|---|---|---|
| **Sample: MW-2** | | Analyst's Initials: DC |
| **Case No. R1103-09** | | |
| **Date Collected: 11/1/06** | | |
| **Sample Matrix: Water** | | |
| **Subject: PCBs** | Date Extracted | Date Analyzed |
| **Prep Method: EPA 3510C** | 11/7/06 | 11/8/06 |
| **Analytical Method: EPA 8082** | | |
| | | |
| Compound | Concentration ug/l (ppb) | Reporting Limit |
| Aroclor-1221 | N.D. | 0.2 |
| Aroclor-1232 | N.D. | 0.2 |
| Aroclor-1016/1242 | N.D. | 0.2 |
| Aroclor -1248 | N.D. | 0.2 |
| Aroclor -1254 | N.D. | 0.2 |
| Aroclor -1260 | N.D. | 0.2 |
| Aroclor -1262 | N.D. | 0.2 |
| Aroclor -1268 | N.D. | 0.2 |
| | | |
| Surrogates: | | |
| Compound | % Recovery | Limits |
| TCMX | 90 | 25-141 |
| DCBP | 113 | 41-156 |

| | | |
|---|---|---|
| **Sample: MW-3** | | Analyst's Initials: DC |
| **Case No. R1103-09** | | |
| **Date Collected: 11/1/06** | | |
| **Sample Matrix: Water** | | |
| **Subject: PCBs** | Date Extracted | Date Analyzed |
| **Prep Method: EPA 3510C** | 11/7/06 | 11/8/06 |
| **Analytical Method: EPA 8082** | | |
| | | |
| Compound | Concentration ug/l (ppb) | Reporting Limit |
| Aroclor-1221 | N.D. | 0.2 |
| Aroclor-1232 | N.D. | 0.2 |
| Aroclor-1016/1242 | N.D. | 0.2 |
| Aroclor -1248 | N.D. | 0.2 |
| Aroclor -1254 | N.D. | 0.2 |
| Aroclor -1260 | N.D. | 0.2 |
| Aroclor -1262 | N.D. | 0.2 |
| Aroclor -1268 | N.D. | 0.2 |
| | | |
| Surrogates: | | |
| Compound | % Recovery | Limits |
| TCMX | 88 | 25-141 |
| DCBP | 108 | 41-156 |

| | | |
|---|---|---|
| **Sample: Method Blank** | | Analyst's Initials: DC |
| **Case No. R1103-09** | | |
| **Date Collected: NA** | | |
| **Sample Matrix: Water** | | |
| **Subject: PCBs** | Date Extracted | Date Analyzed |
| **Prep Method: EPA 3510C** | 11/7/06 | 11/8/06 |
| **Analytical Method: EPA 8082** | | |
| | | |
| Compound | Concentration ug/l (ppb) | Reporting Limit |
| Aroclor-1221 | N.D. | 0.2 |
| Aroclor-1232 | N.D. | 0.2 |
| Aroclor-1016/1242 | N.D. | 0.2 |
| Aroclor -1248 | N.D. | 0.2 |
| Aroclor -1254 | N.D. | 0.2 |
| Aroclor -1260 | N.D. | 0.2 |
| Aroclor -1262 | N.D. | 0.2 |
| Aroclor -1268 | N.D. | 0.2 |
| | | |
| Surrogates: | | |
| Compound | % Recovery | Limits |
| TCMX | 80 | 25-141 |
| DCBP | 105 | 41-156 |

# PCB Laboratory Control Spike

| | | | | |
|---|---|---|---|---|
| **Sample Matrix: Soil** | | | Analyst: | DC |
| **Subject: PCB** | Date Extracted | | | Date Analyzed |
| **Prep Method: EPA 3541** | 11/7/06 | | | 11/7/06 |
| **Analytical Method: EPA 8082** | | | | |
| | | | | |
| Compound | Amount Spiked mg/kg | Result mg/kg | Recovery % | Recovery Limits |
| Aroclor 1254 | 0.500 | 0.433 | 87 | 40-140 |
| | | | | |
| Surrogates: | | | | |
| Compound | % Recovery | Limits | | |
| TCMX | 90 | 43-125 | | |
| DCBP | 103 | 41-127 | | |

# RESULTS: ETHANOL

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

**Ethanol**

| Sample | Result, mg/L | Reporting Limit, mg/L | Date Analyzed |
|---|---|---|---|
| Method Blank | N.D. | 1.00 | 11/06/2006 |
| MW-1 | N.D. | 1.00 | 11/06/2006 |
| MW-2 | N.D. | 1.00 | 11/06/2006 |
| MW-3 | N.D. | 1.00 | 11/06/2006 |

N.D. = Not Detected

# RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1103-09
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: rcm

Client Name: Envirotrac Ltd.
Lab Sample ID: MW-1
Lab File ID: C110913.D
Date Sampled: 11/1/2006
Date Analyzed: 11/9/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | UNITS: ug/L | Q |
|---|---|---|---|
| 75-01-4 | Vinyl Chloride | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U |
| 75-00-3 | Chloroethane | 1.0 | U |
| 67-64-1 | Acetone | 9.6 | |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 5.0 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 1634-04-4 | tert-Butyl methyl ether | 1.0 | U |
| 156-60-5 | trans-1,2 Dichloroethene | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U |
| 78-93-3 | 2-Butanone | 5.0 | U |
| 594-20-7 | 2,2-Dichloropropane | 1.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 67-66-3 | Chloroform | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U |
| 563-58-6 | 1,1-Dichloropropene | 1.0 | U |
| 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 71-43-2 | Benzene | 5.0 | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U |
| 79-01-6 | Trichloroethene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U |
| 74-95-3 | Dibromomethane | 1.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 106-93-4 | Ethylene Dibromide | 1.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 108-88-3 | Toluene | 2.1 | |
| 10061-02-6 | Trans-1,3-Dichloropropene | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U |
| 591-78-6 | 2-Hexanone | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 1.0 | U |
| 124-48-1 | Chlorodibromomethane | 1.0 | U |
| 108-90-7 | Chlorobenzene | 5.0 | U |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1.0 | U |

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1103-09
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: rcm

Client Name: Envirotrac Ltd.
Lab Sample ID: MW-1
Lab File ID: C110913.D
Date Sampled: 11/1/2006
Date Analyzed: 11/9/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | UNITS: ug/L | Q |
|---|---|---|---|
| 100-41-4 | Ethylbenzene | 9.7 | |
| 1330-20-7 | m & p-Xylene | 29 | |
| 95-47-6 | o-Xylene | 1.0 | U |
| 100-42-5 | Styrene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U |
| 98-82-8 | Isopropylbenzene | 14 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U |
| 108-86-1 | Bromobenzene | 1.0 | U |
| 96-18-4 | 1,2,3-Trichloropropane | 1.0 | U |
| 95-49-8 | 2-Chlorotoluene | 1.0 | U |
| 103-65-1 | n-Propylbenzene | 18 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 29 | |
| 106-43-4 | 4-Chlorotoluene | 1.0 | U |
| 98-06-6 | tert-Butylbenzene | 1.0 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | 100 | |
| 135-98-8 | sec-Butylbenzene | 2.9 | |
| 99-87-6 | p-Isopropyltoluene | 1.4 | |
| 75-87-3 | Chloromethane | 1.0 | U |
| 75-65-0 | tert butyl alcohol | 5.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U |
| 109-99-9 | Tetrahydrofuran | 5.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U |
| 60-29-7 | Diethyl Ether | 5.0 | U |
| 104-51-8 | n-Butylbenzene | 3.1 | |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 2.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U |
| 87-68-3 | Hexachlorobutadiene | 1.0 | U |
| 91-20-3 | Naphthalene | 7.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U |

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1103-09
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: rcm

Client Name: Envirotrac Ltd.
Lab Sample ID: MW-2
Lab File ID: C110912.D
Date Sampled: 11/1/2006
Date Analyzed: 11/9/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | UNITS: ug/L | Q |
|---|---|---|---|
| 75-01-4 | Vinyl Chloride | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U |
| 75-00-3 | Chloroethane | 1.0 | U |
| 67-64-1 | Acetone | 5.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 5.0 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 1634-04-4 | tert-Butyl methyl ether | 1.0 | U |
| 156-60-5 | trans-1,2 Dichloroethene | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U |
| 78-93-3 | 2-Butanone | 5.0 | U |
| 594-20-7 | 2,2-Dichloropropane | 1.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 67-66-3 | Chloroform | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U |
| 563-58-6 | 1,1-Dichloropropene | 1.0 | U |
| 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 71-43-2 | Benzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U |
| 79-01-6 | Trichloroethene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U |
| 74-95-3 | Dibromomethane | 1.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 106-93-4 | Ethylene Dibromide | 1.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 108-88-3 | Toluene | 1.0 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U |
| 591-78-6 | 2-Hexanone | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 1.0 | U |
| 124-48-1 | Chlorodibromomethane | 1.0 | U |
| 108-90-7 | Chlorobenzene | 5.0 | U |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1.0 | U |

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1103-09
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: rcm

Client Name: Envirotrac Ltd.
Lab Sample ID: MW-2
Lab File ID: C110912.D
Date Sampled: 11/1/2006
Date Analyzed: 11/9/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | UNITS: ug/L | Q |
|---|---|---|---|
| 100-41-4 | Ethylbenzene | 1.0 | U |
| 1330-20-7 | m & p-Xylene | 2.0 | U |
| 95-47-6 | o-Xylene | 1.0 | U |
| 100-42-5 | Styrene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U |
| 98-82-8 | Isopropylbenzene | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U |
| 108-86-1 | Bromobenzene | 1.0 | U |
| 96-18-4 | 1,2,3-Trichloropropane | 1.0 | U |
| 95-49-8 | 2-Chlorotoluene | 1.0 | U |
| 103-65-1 | n-Propylbenzene | 1.0 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1.0 | U |
| 106-43-4 | 4-Chlorotoluene | 1.0 | U |
| 98-06-6 | tert-Butylbenzene | 1.0 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1.0 | U |
| 135-98-8 | sec-Butylbenzene | 1.0 | U |
| 99-87-6 | p-Isopropyltoluene | 1.0 | U |
| 75-87-3 | Chloromethane | 1.0 | U |
| 75-65-0 | tert butyl alcohol | 5.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U |
| 109-99-9 | Tetrahydrofuran | 5.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U |
| 60-29-7 | Diethyl Ether | 5.0 | U |
| 104-51-8 | n-Butylbenzene | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 2.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U |
| 87-68-3 | Hexachlorobutadiene | 1.0 | U |
| 91-20-3 | Naphthalene | 2.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U |

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1103-09
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: rcm

Client Name: Envirotrac Ltd.
Lab Sample ID: MW-3
Lab File ID: C110911.D
Date Sampled: 11/1/2006
Date Analyzed: 11/9/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | UNITS: ug/L | Q |
|---|---|---|---|
| 75-01-4 | Vinyl Chloride | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U |
| 75-00-3 | Chloroethane | 1.0 | U |
| 67-64-1 | Acetone | 5.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 5.0 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 1634-04-4 | tert-Butyl methyl ether | 1.0 | U |
| 156-60-5 | trans-1,2 Dichloroethene | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U |
| 78-93-3 | 2-Butanone | 5.0 | U |
| 594-20-7 | 2,2-Dichloropropane | 1.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 67-66-3 | Chloroform | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U |
| 563-58-6 | 1,1-Dichloropropene | 1.0 | U |
| 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 71-43-2 | Benzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U |
| 79-01-6 | Trichloroethene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U |
| 74-95-3 | Dibromomethane | 1.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 106-93-4 | Ethylene Dibromide | 1.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 108-88-3 | Toluene | 1.0 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U |
| 591-78-6 | 2-Hexanone | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 1.0 | U |
| 124-48-1 | Chlorodibromomethane | 1.0 | U |
| 108-90-7 | Chlorobenzene | 5.0 | U |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1.0 | U |

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1103-09
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: rcm

Client Name: Envirotrac Ltd.
Lab Sample ID: MW-3
Lab File ID: C110911.D
Date Sampled: 11/1/2006
Date Analyzed: 11/9/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | UNITS: ug/L | Q |
|---|---|---|---|
| 100-41-4 | Ethylbenzene | 1.0 | U |
| 1330-20-7 | m & p-Xylene | 2.0 | U |
| 95-47-6 | o-Xylene | 1.0 | U |
| 100-42-5 | Styrene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U |
| 98-82-8 | Isopropylbenzene | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U |
| 108-86-1 | Bromobenzene | 1.0 | U |
| 96-18-4 | 1,2,3-Trichloropropane | 1.0 | U |
| 95-49-8 | 2-Chlorotoluene | 1.0 | U |
| 103-65-1 | n-Propylbenzene | 1.0 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1.0 | U |
| 106-43-4 | 4-Chlorotoluene | 1.0 | U |
| 98-06-6 | tert-Butylbenzene | 1.0 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1.0 | U |
| 135-98-8 | sec-Butylbenzene | 1.0 | U |
| 99-87-6 | p-Isopropyltoluene | 1.0 | U |
| 75-87-3 | Chloromethane | 1.0 | U |
| 75-65-0 | tert butyl alcohol | 5.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U |
| 109-99-9 | Tetrahydrofuran | 5.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U |
| 60-29-7 | Diethyl Ether | 5.0 | U |
| 104-51-8 | n-Butylbenzene | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 2.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U |
| 87-68-3 | Hexachlorobutadiene | 1.0 | U |
| 91-20-3 | Naphthalene | 2.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U |

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1103-09
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: rcm

Client Name: Envirotrac Ltd.
Lab Sample ID: VBLK061109
Lab File ID: C110905.D
Date Sampled: 11/1/2006
Date Analyzed: 11/9/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | UNITS: ug/L | Q |
|---|---|---|---|
| 75-01-4 | Vinyl Chloride | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U |
| 75-00-3 | Chloroethane | 1.0 | U |
| 67-64-1 | Acetone | 5.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 5.0 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 1634-04-4 | tert-Butyl methyl ether | 1.0 | U |
| 156-60-5 | trans-1,2 Dichloroethene | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U |
| 78-93-3 | 2-Butanone | 5.0 | U |
| 594-20-7 | 2,2-Dichloropropane | 1.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 67-66-3 | Chloroform | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U |
| 563-58-6 | 1,1-Dichloropropene | 1.0 | U |
| 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 71-43-2 | Benzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U |
| 79-01-6 | Trichloroethene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U |
| 74-95-3 | Dibromomethane | 1.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 106-93-4 | Ethylene Dibromide | 1.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 108-88-3 | Toluene | 1.0 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U |
| 591-78-6 | 2-Hexanone | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 1.0 | U |
| 124-48-1 | Chlorodibromomethane | 1.0 | U |
| 108-90-7 | Chlorobenzene | 5.0 | U |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1.0 | U |

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1103-09
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: rcm

Client Name: Envirotrac Ltd.
Lab Sample ID: VBLK061109
Lab File ID: C110905.D
Date Sampled: 11/1/2006
Date Analyzed: 11/9/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | UNITS: ug/L | Q |
|---|---|---|---|
| 100-41-4 | Ethylbenzene | 1.0 | U |
| 1330-20-7 | m & p-Xylene | 2.0 | U |
| 95-47-6 | o-Xylene | 1.0 | U |
| 100-42-5 | Styrene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U |
| 98-82-8 | Isopropylbenzene | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U |
| 108-86-1 | Bromobenzene | 1.0 | U |
| 96-18-4 | 1,2,3-Trichloropropane | 1.0 | U |
| 95-49-8 | 2-Chlorotoluene | 1.0 | U |
| 103-65-1 | n-Propylbenzene | 1.0 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1.0 | U |
| 106-43-4 | 4-Chlorotoluene | 1.0 | U |
| 98-06-6 | tert-Butylbenzene | 1.0 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1.0 | U |
| 135-98-8 | sec-Butylbenzene | 1.0 | U |
| 99-87-6 | p-Isopropyltoluene | 1.0 | U |
| 75-87-3 | Chloromethane | 1.0 | U |
| 75-65-0 | tert butyl alcohol | 5.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U |
| 109-99-9 | Tetrahydrofuran | 5.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U |
| 60-29-7 | Diethyl Ether | 5.0 | U |
| 104-51-8 | n-Butylbenzene | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 2.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U |
| 87-68-3 | Hexachlorobutadiene | 1.0 | U |
| 91-20-3 | Naphthalene | 2.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U |

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Lab Contract: Hess ESA Vacho

Lab Code: RI010 Case No.: R1103-09 SAS No.: _____ SDG No.: Envirotrac

| | EPA SAMPLE NO. | SMC1 # | SMC2 # | SMC3 # | TOT OUT |
|---|---|---|---|---|---|
| 01 | VLCS061109 | 105 | 96 | 102 | 0 |
| 02 | VBLK061109 | 100 | 97 | 102 | 0 |
| 03 | MW-3 | 100 | 93 | 101 | 0 |
| 04 | MW-2 | 101 | 117 | 100 | 0 |
| 05 | MW-1 | 103 | 99 | 99 | 0 |

| | | | QC LIMITS |
|---|---|---|---|
| SMC1 | = | 4-Bromofluorobenzene | (70-130) |
| SMC2 | = | Toluene-D8 | (70-130) |
| SMC3 | = | 1,2-Dichloroethane-D4 | (70-130) |

# Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

## Volatile Organics Laboratory Control Spike

**Date Analyzed: 11/9/06** **Sample ID: VLCS061109**

| Compound | Spike Added (ug/L) | Spike Result (ug/L) | Recovery, % | Lower Control Limit, % | Upper Control Limit, % |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50 | 64 | 127 | 77 | 137 |
| Benzene | 50 | 46 | 93 | 75 | 117 |
| Trichloroethene | 50 | 47 | 94 | 65 | 141 |
| Toluene | 50 | 49 | 98 | 74 | 119 |
| Chlorobenzene | 50 | 48 | 95 | 74 | 115 |

Sample: MW-1

Case No. R1103-09
Date Analyzed: 11/9/06

Subject: Volatile Organic Compounds
Method: EPA 8260B

| Compound | Concentration ug/L (ppb) | Reporting Limit |
|---|---|---|
| tert-Butyl Alcohol | N.D. | 5 |
| tert-Amyl Methyl Ether | 150 | 5 |
| 1,4-Dioxane | N.D. | 50 |

Sample: MW-2

Case No. R1103-09
Date Analyzed: 11/9/06

Subject: Volatile Organic Compounds
Method: EPA 8260B

| Compound | Concentration ug/L (ppb) | Reporting Limit |
|---|---|---|
| tert-Butyl Alcohol | N.D. | 5 |
| tert-Amyl Methyl Ether | N.D. | 5 |
| 1,4-Dioxane | N.D. | 50 |

Sample: MW-3

Case No. R1103-09
Date Analyzed: 11/9/06

Subject: Volatile Organic Compounds
Method: EPA 8260B

| Compound | Concentration ug/L (ppb) | Reporting Limit |
|---|---|---|
| tert-Butyl Alcohol | N.D. | 5 |
| tert-Amyl Methyl Ether | N.D. | 5 |
| 1,4-Dioxane | N.D. | 50 |

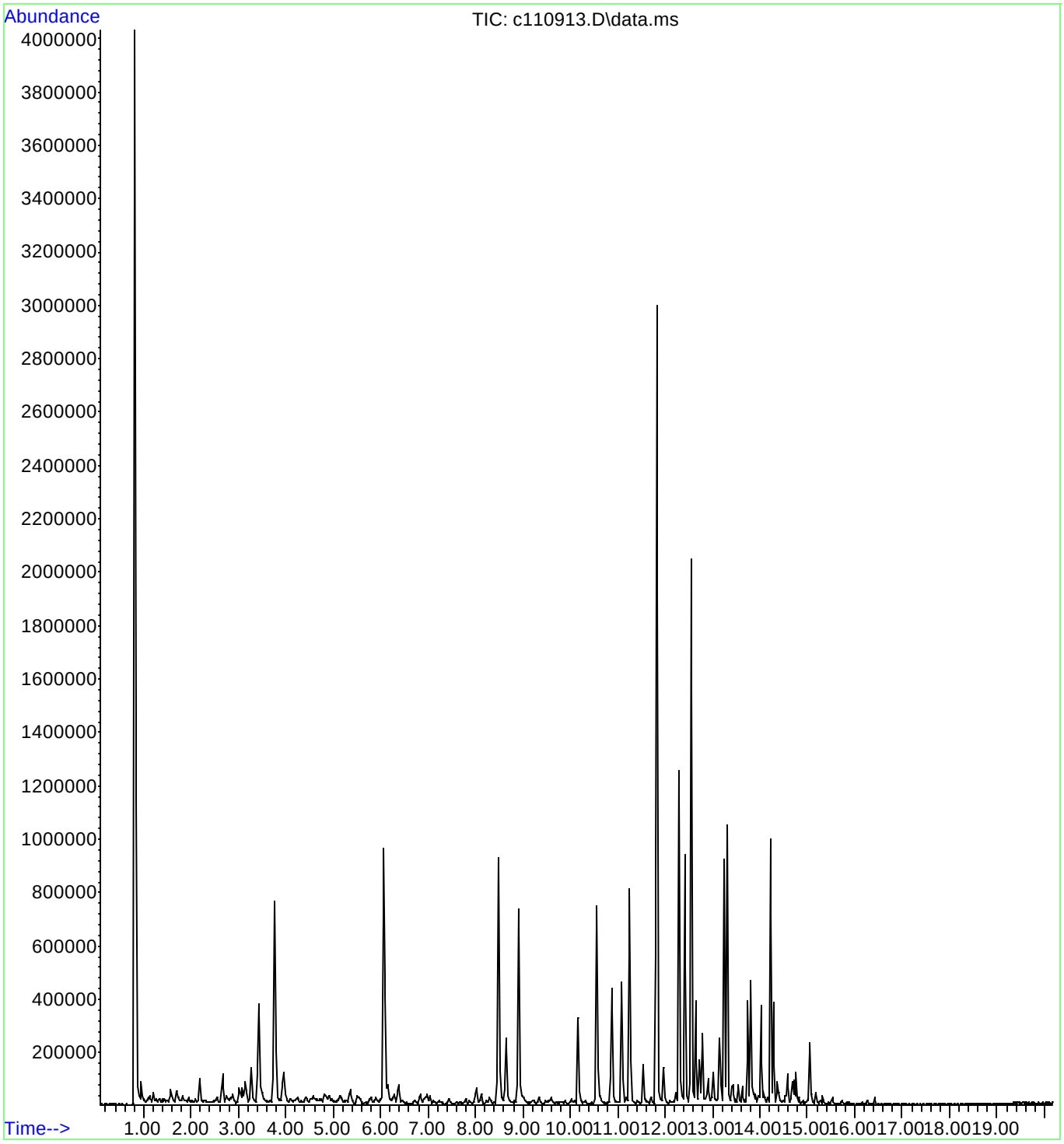
Sample: MW-4

Case No. R1103-09
Date Analyzed: 11/9/06

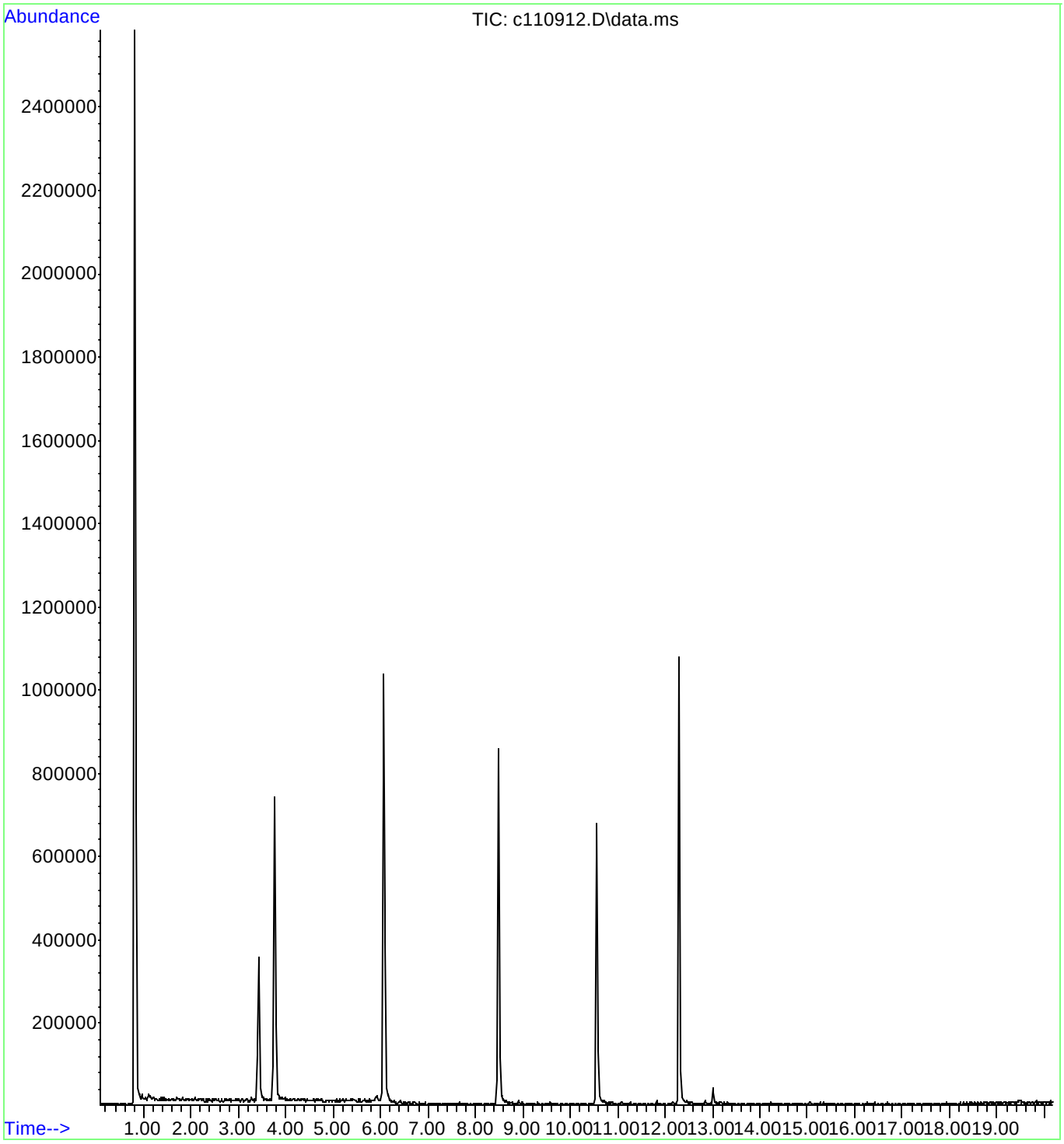
Subject: Volatile Organic Compounds
Method: EPA 8260B

| Compound | Concentration ug/L (ppb) | Reporting Limit |
|---|---|---|
| tert-Butyl Alcohol | N.D. | 5 |
| tert-Amyl Methyl Ether | N.D. | 5 |
| 1,4-Dioxane | N.D. | 50 |

**File :C:\msdchem\1\DATA\2006\Nov09\c110913.D**
**Operator : rcm**
**Acquired : 9 Nov 2006 2:00 pm using AcqMethod 8260X.M**
**Instrument : Instrument #1**
**Sample Name: R1103-09 MW1**
**Misc Info :**
**Vial Number: 13**



**File :C:\msdchem\1\DATA\2006\Nov09\c110912.D**
**Operator : rcm**
**Acquired : 9 Nov 2006 1:35 pm using AcqMethod 8260X.M**
**Instrument : Instrument #1**
**Sample Name: R1103-09 MW2**
**Misc Info :**
**Vial Number: 12**



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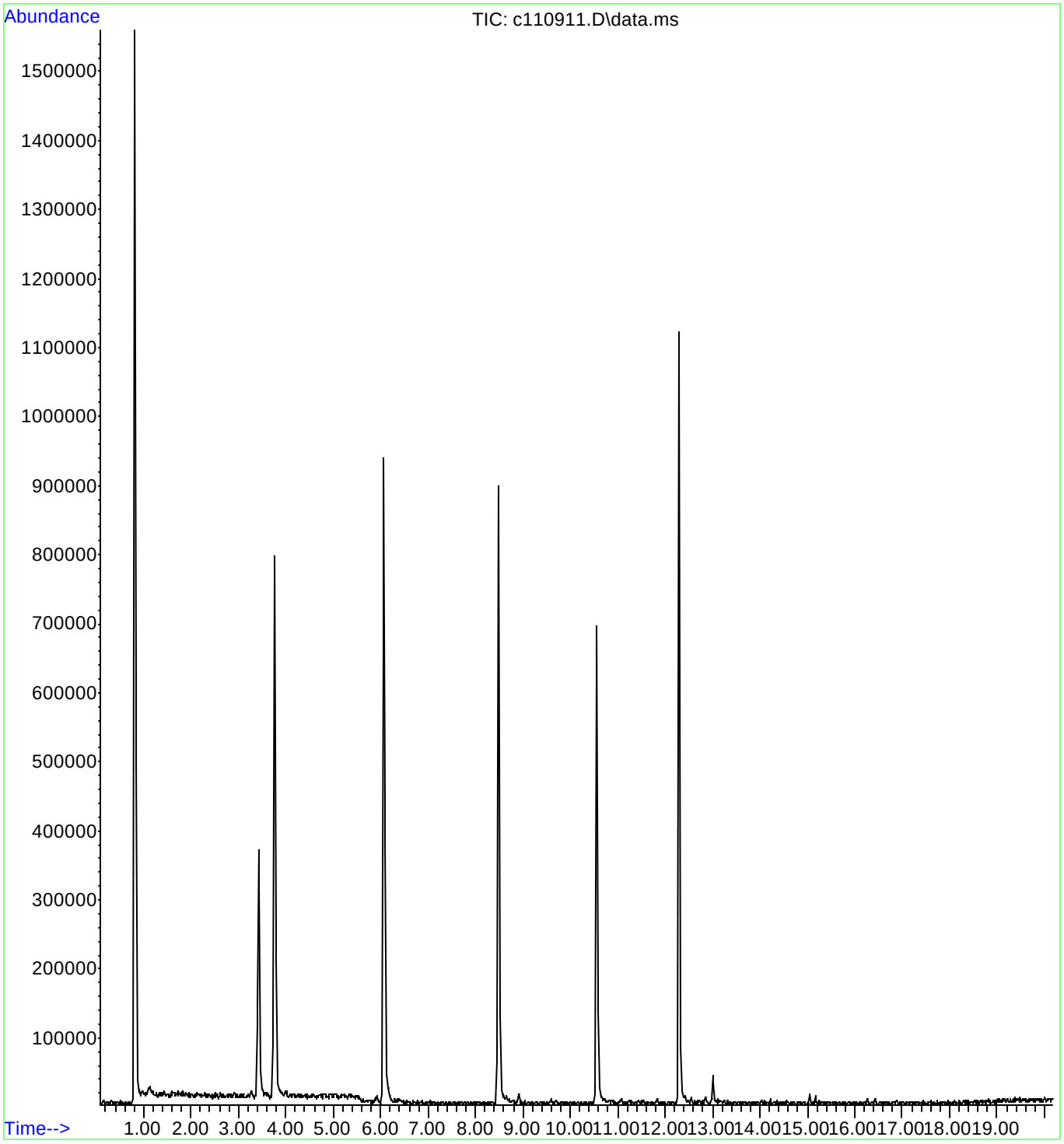
**Operator : rcm**
**Acquired : 9 Nov 2006 1:10 pm using AcqMethod 8260X.M**
**Instrument : Instrument #1**
**Sample Name: R1103-09 MW3**
**Misc Info :**
**Vial Number: 11**



# RESULTS: VOLATILE PETROLEUM HYDROCARBONS

**Results for VPH analysis are presented in the following section. Each page is electronically signed. In the hardcopy report, two signatures appear on the approval line – the electronic signature and the handwritten signature.**

## SAMPLE INFORMATION

| | | | |
|---|---|---|---|
| Matrix | X Aqueous __ Soil __ Sediment __ Other: | | |
| Containers | X Satisfactory __ Broken __ Leaking: | | |
| Sample Preservatives | Aqueous | __ N/A X pH≤2 __ pH>2 Comment: | |
| | Soil or Sediment | __ N/A __ Samples NOT preserved Methanol or air-tight container | mL Methanol/g soil |
| | | __ Samples rec'd in Methanol: __ covering soil __ not covering soil | __ 1:1 +/- 25% |
| | | __ Samples received in air-tight container: | __ Other: |
| Temperature | X Received on Ice X Received at 4° C __ Other: | | |

## VPH ANALYTICAL RESULTS

| | | | | |
|---|---|---|---|---|
| Method for Ranges: MADEP VPH 01/98 | | | Client ID | MW-1 |
| Method for Target Analytes: | | | Lab ID | R1103-09 |
| VPH Surrogate Standards | | | Date Collected | 11/1/06 |
| PID: 2,5- Dibromotoluene | | | Date Received | 11/3/06 |
| FID: 2,5- Dibromotoluene | | | Date Analyzed | 11/9/06 |
| | | | Dilution Factor | 1X |
| | | | % Moisture (soil) | NA |
| **Range/Target Analyte** | **Elution Range** | **RL** | **Units** | |
| Unadjusted C5-C8 Aliphatics[1] | N/A | 50 | ug/L | 120 |
| Unadjusted C9-C12 Aliphatics[1] | N/A | 50 | ug/L | 953 |
| Benzene | C5-C8 | 5 | ug/L | 5 |
| Ethylbenzene | C9-C12 | 5 | ug/L | 10 |
| Methyl-tert-butylether | C5-C8 | 10 | ug/L | <10 |
| Naphthalene | N/A | 10 | ug/L | <10 |
| Toluene | C5-C8 | 5 | ug/L | <5 |
| m- & p- Xylenes | C9-C12 | 10 | ug/L | 26 |
| o-Xylene | C9-C12 | 10 | ug/L | <10 |
| C5-C8 Aliphatic Hydrocarbons[1,2] | N/A | 50 | ug/L | 115 |
| C9-C12 Aliphatic Hydrocarbons[1,3] | N/A | 50 | ug/L | 464 |
| C9-C10 Aromatic Hydrocarbons[1] | N/A | 50 | ug/L | 453 |
| PID Surrogate % Recovery | | | | 99 |
| FID Surrogate % Recovery | | | | 104 |
| Surrogate Acceptance Range | | | | 70-130% |

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]$C_5$-$C_8$ Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]$C_9$-$C_{12}$ Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of $C_9$-$C_{10}$ Aromatic Hydrocarbons

## CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

*I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.*

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 11/10/2006

## SAMPLE INFORMATION

| | | | |
|---|---|---|---|
| Matrix | X Aqueous | _ Soil _ Sediment _ Other: | |
| Containers | X Satisfactory | _ Broken _ Leaking: | |
| Sample Preservatives | Aqueous | _ N/A X pH≤2 _ pH>2 Comment: | |
| | Soil or Sediment | _ N/A _ Samples NOT preserved Methanol or air-tight container | mL Methanol/g soil |
| | | _ Samples rec'd in Methanol: _ covering soil _ not covering soil | _ 1:1 +/- 25% |
| | | _ Samples received in air-tight container: | _ Other: |
| Temperature | X Received on Ice | X Received at 4° C _ Other: | |

## VPH ANALYTICAL RESULTS

| | | | | |
|---|---|---|---|---|
| Method for Ranges: MADEP VPH 01/98 | | | Client ID | MW-2 |
| Method for Target Analytes: | | | Lab ID | R1103-09 |
| VPH Surrogate Standards | | | Date Collected | 11/1/06 |
| PID: 2,5- Dibromotoluene | | | Date Received | 11/3/06 |
| FID: 2,5- Dibromotoluene | | | Date Analyzed | 11/9/06 |
| | | | Dilution Factor | 1X |
| | | | % Moisture (soil) | NA |
| **Range/Target Analyte** | **Elution Range** | **RL** | **Units** | |
| Unadjusted C5-C8 Aliphatics[1] | N/A | 50 | ug/L | <50 |
| Unadjusted C9-C12 Aliphatics[1] | N/A | 50 | ug/L | <50 |
| Benzene | C5-C8 | 5 | ug/L | <5 |
| Ethylbenzene | C9-C12 | 5 | ug/L | <5 |
| Methyl-tert-butylether | C5-C8 | 10 | ug/L | <10 |
| Naphthalene | N/A | 10 | ug/L | <10 |
| Toluene | C5-C8 | 5 | ug/L | <5 |
| m- & p- Xylenes | C9-C12 | 10 | ug/L | <10 |
| o-Xylene | C9-C12 | 10 | ug/L | <10 |
| C5-C8 Aliphatic Hydrocarbons[1,2] | N/A | 50 | ug/L | <50 |
| C9-C12 Aliphatic Hydrocarbons[1,3] | N/A | 50 | ug/L | <50 |
| C9-C10 Aromatic Hydrocarbons[1] | N/A | 50 | ug/L | <50 |
| PID Surrogate % Recovery | | | | 90 |
| FID Surrogate % Recovery | | | | 92 |
| Surrogate Acceptance Range | | | | 70-130% |

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]$C_5$-$C_8$ Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]$C_9$-$C_{12}$ Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of $C_9$-$C_{10}$ Aromatic Hydrocarbons

## CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No _ Yes-Details Attached

*I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.*

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 11/10/2006

## SAMPLE INFORMATION

| | | | |
|---|---|---|---|
| Matrix | X Aqueous __ Soil __ Sediment __ Other: | | |
| Containers | X Satisfactory __ Broken __ Leaking: | | |
| Sample Preservatives | Aqueous | __ N/A X pH≤2 __ pH>2 Comment: | |
| | Soil or Sediment | __ N/A __ Samples NOT preserved Methanol or air-tight container | mL Methanol/g soil |
| | | __ Samples rec'd in Methanol: __ covering soil __ not covering soil | __ 1:1 +/- 25% |
| | | __ Samples received in air-tight container: | __ Other: |
| Temperature | X Received on Ice X Received at 4° C __ Other: | | |

## VPH ANALYTICAL RESULTS

| | | | | |
|---|---|---|---|---|
| Method for Ranges: MADEP VPH 01/98 | | | Client ID | MW-3 |
| Method for Target Analytes: | | | Lab ID | R1103-09 |
| VPH Surrogate Standards | | | Date Collected | 11/1/06 |
| PID: 2,5- Dibromotoluene | | | Date Received | 11/3/06 |
| FID: 2,5- Dibromotoluene | | | Date Analyzed | 11/9/06 |
| | | | Dilution Factor | 1X |
| | | | % Moisture (soil) | NA |
| **Range/Target Analyte** | **Elution Range** | **RL** | **Units** | |
| Unadjusted C5-C8 Aliphatics[1] | N/A | 50 | ug/L | <50 |
| Unadjusted C9-C12 Aliphatics[1] | N/A | 50 | ug/L | <50 |
| Benzene | C5-C8 | 5 | ug/L | <5 |
| Ethylbenzene | C9-C12 | 5 | ug/L | <5 |
| Methyl-tert-butylether | C5-C8 | 10 | ug/L | <10 |
| Naphthalene | N/A | 10 | ug/L | <10 |
| Toluene | C5-C8 | 5 | ug/L | <5 |
| m- & p- Xylenes | C9-C12 | 10 | ug/L | <10 |
| o-Xylene | C9-C12 | 10 | ug/L | <10 |
| C5-C8 Aliphatic Hydrocarbons[1,2] | N/A | 50 | ug/L | <50 |
| C9-C12 Aliphatic Hydrocarbons[1,3] | N/A | 50 | ug/L | <50 |
| C9-C10 Aromatic Hydrocarbons[1] | N/A | 50 | ug/L | <50 |
| PID Surrogate % Recovery | | | | 95 |
| FID Surrogate % Recovery | | | | 88 |
| Surrogate Acceptance Range | | | | 70-130% |

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]$C_5$-$C_8$ Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]$C_9$-$C_{12}$ Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of $C_9$-$C_{10}$ Aromatic Hydrocarbons

## CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

*I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.*

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 11/10/2006

## SAMPLE INFORMATION

| | | | |
|---|---|---|---|
| Matrix | X Aqueous __ Soil __ Sediment __ Other: | | |
| Containers | X Satisfactory __ Broken __ Leaking: | | |
| Sample Preservatives | Aqueous | __ N/A X pH≤2 __ pH>2 Comment: | |
| | Soil or Sediment | __ N/A __ Samples NOT preserved Methanol or air-tight container | mL Methanol/g soil |
| | | __ Samples rec'd in Methanol: __ covering soil __ not covering soil | __ 1:1 +/- 25% |
| | | __ Samples received in air-tight container: | __ Other: |
| Temperature | X Received on Ice X Received at 4° C __ Other: | | |

## VPH ANALYTICAL RESULTS

| | | | | |
|---|---|---|---|---|
| Method for Ranges: MADEP VPH 01/98 | | | Client ID | MW-4 |
| Method for Target Analytes: | | | Lab ID | R1103-09 |
| VPH Surrogate Standards | | | Date Collected | 11/1/06 |
| PID: 2,5- Dibromotoluene | | | Date Received | 11/3/06 |
| FID: 2,5- Dibromotoluene | | | Date Analyzed | 11/9/06 |
| | | | Dilution Factor | 1X |
| | | | % Moisture (soil) | NA |
| **Range/Target Analyte** | **Elution Range** | **RL** | **Units** | |
| Unadjusted C5-C8 Aliphatics[1] | N/A | 50 | ug/L | <50 |
| Unadjusted C9-C12 Aliphatics[1] | N/A | 50 | ug/L | <50 |
| Benzene | C5-C8 | 5 | ug/L | <5 |
| Ethylbenzene | C9-C12 | 5 | ug/L | <5 |
| Methyl-tert-butylether | C5-C8 | 10 | ug/L | <10 |
| Naphthalene | N/A | 10 | ug/L | <10 |
| Toluene | C5-C8 | 5 | ug/L | <5 |
| m- & p- Xylenes | C9-C12 | 10 | ug/L | <10 |
| o-Xylene | C9-C12 | 10 | ug/L | <10 |
| C5-C8 Aliphatic Hydrocarbons[1,2] | N/A | 50 | ug/L | <50 |
| C9-C12 Aliphatic Hydrocarbons[1,3] | N/A | 50 | ug/L | <50 |
| C9-C10 Aromatic Hydrocarbons[1] | N/A | 50 | ug/L | <50 |
| PID Surrogate % Recovery | | | | 93 |
| FID Surrogate % Recovery | | | | 101 |
| Surrogate Acceptance Range | | | | 70-130% |

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]$C_5$-$C_8$ Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]$C_9$-$C_{12}$ Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of $C_9$-$C_{10}$ Aromatic Hydrocarbons

## CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

*I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.*

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 11/10/2006

## SAMPLE INFORMATION

| | | | |
|---|---|---|---|
| Matrix | X Aqueous __ Soil __ Sediment __ Other: | | |
| Containers | __ Satisfactory __ Broken __ Leaking: | | |
| Sample Preservatives | Aqueous | X N/A __ pH≤2 __ pH>2 Comment: | |
| | Soil or Sediment | __ N/A __ Samples NOT preserved Methanol or air-tight container | mL Methanol/g soil |
| | | __ Samples rec'd in Methanol: __ covering soil __ not covering soil | __ 1:1 +/- 25% |
| | | __ Samples received in air-tight container: | __ Other: |
| Temperature | __ Received on Ice __ Received at 4° C __ Other: | | |

## VPH ANALYTICAL RESULTS

| | | | | |
|---|---|---|---|---|
| Method for Ranges: MADEP VPH 01/98 | | | Client ID | Method Blank |
| Method for Target Analytes: | | | Lab ID | R1103-09 |
| VPH Surrogate Standards | | | Date Collected | NA |
| PID: 2,5- Dibromotoluene | | | Date Received | NA |
| FID: 2,5- Dibromotoluene | | | Date Analyzed | 11/9/06 |
| | | | Dilution Factor | 1X |
| | | | % Moisture (soil) | NA |
| **Range/Target Analyte** | **Elution Range** | **RL** | **Units** | |
| Unadjusted C5-C8 Aliphatics[1] | N/A | 50 | ug/L | <50 |
| Unadjusted C9-C12 Aliphatics[1] | N/A | 50 | ug/L | <50 |
| Benzene | C5-C8 | 5 | ug/L | <5 |
| Ethylbenzene | C9-C12 | 5 | ug/L | <5 |
| Methyl-tert-butylether | C5-C8 | 10 | ug/L | <10 |
| Naphthalene | N/A | 10 | ug/L | <10 |
| Toluene | C5-C8 | 5 | ug/L | <5 |
| m- & p- Xylenes | C9-C12 | 10 | ug/L | <10 |
| o-Xylene | C9-C12 | 10 | ug/L | <10 |
| C5-C8 Aliphatic Hydrocarbons[1,2] | N/A | 50 | ug/L | <50 |
| C9-C12 Aliphatic Hydrocarbons[1,3] | N/A | 50 | ug/L | <50 |
| C9-C10 Aromatic Hydrocarbons[1] | N/A | 50 | ug/L | <50 |
| PID Surrogate % Recovery | | | | 97 |
| FID Surrogate % Recovery | | | | 96 |
| Surrogate Acceptance Range | | | | 70-130% |

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]$C_5$-$C_8$ Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]$C_9$-$C_{12}$ Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of $C_9$-$C_{10}$ Aromatic Hydrocarbons

## CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

*I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.*

SIGNATURE: _____ POSITION: Laboratory Director

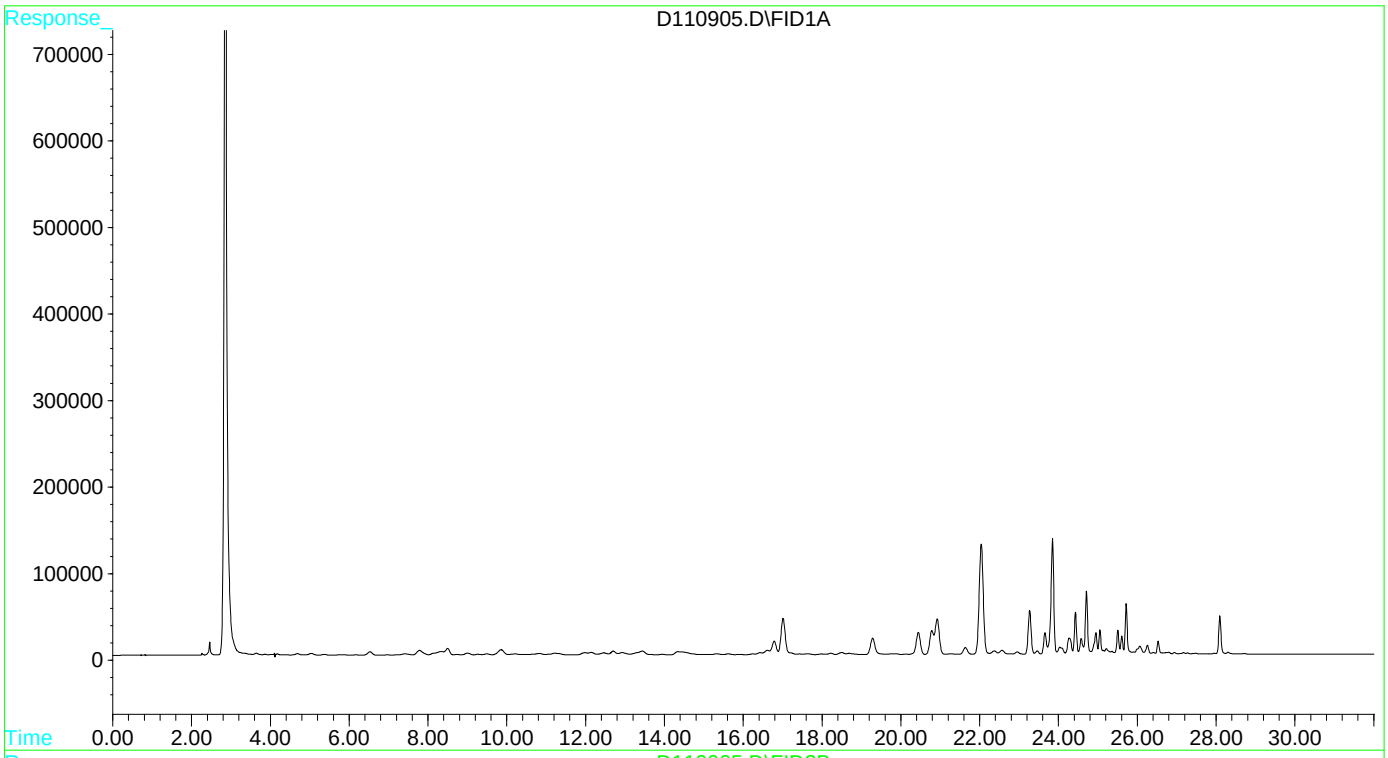
PRINTED NAME: Richard Warila DATE: 11/10/2006

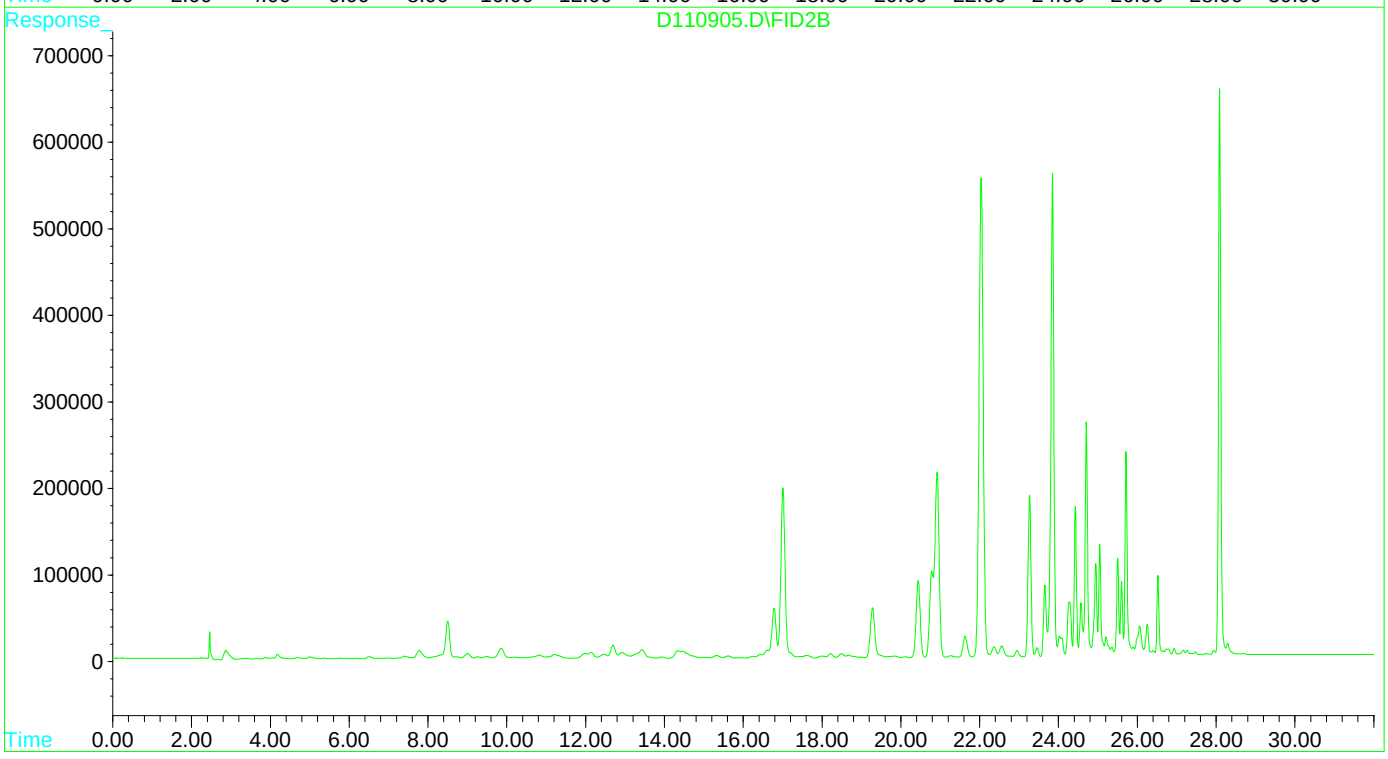
## VPH LABORATORY CONTROL SPIKE-WATER

Date Analyzed: 11/9/06

| | Amount Spiked, µg/L | Result, µg/L | Recovery, % | Recovery Limits, % |
|---|---|---|---|---|
| TBME | 50.0 | 49.7 | 99 | 70-130 |
| Benzene | 50.0 | 61.2 | 122 | 70-130 |
| Toluene | 50.0 | 47.6 | 95 | 70-130 |
| Ethylbenzene | 50.0 | 48.3 | 97 | 70-130 |
| m&p Xylene | 100.0 | 101.7 | 102 | 70-130 |
| o-Xylene | 50.0 | 45.7 | 91 | 70-130 |
| Naphthalene | 50.0 | 39.7 | 79 | 70-130 |
| Pentane | 50.0 | 45.8 | 92 | 70-130 |
| 2-Methyl pentane | 50.0 | 54.0 | 108 | 70-130 |
| 2,2,4-trimethylpentane | 50.0 | 51.4 | 103 | 70-130 |

File : C:\HPCHEM\1\DATA\NOV0906\D110905.D
Operator : rcm
Acquired : 9 Nov 20106 11:15 am using AcqMethod VPHX.M
Instrument : 5890 VPH
Sample Name: R1103-09 MW1
Misc Info :
Vial Number: 5



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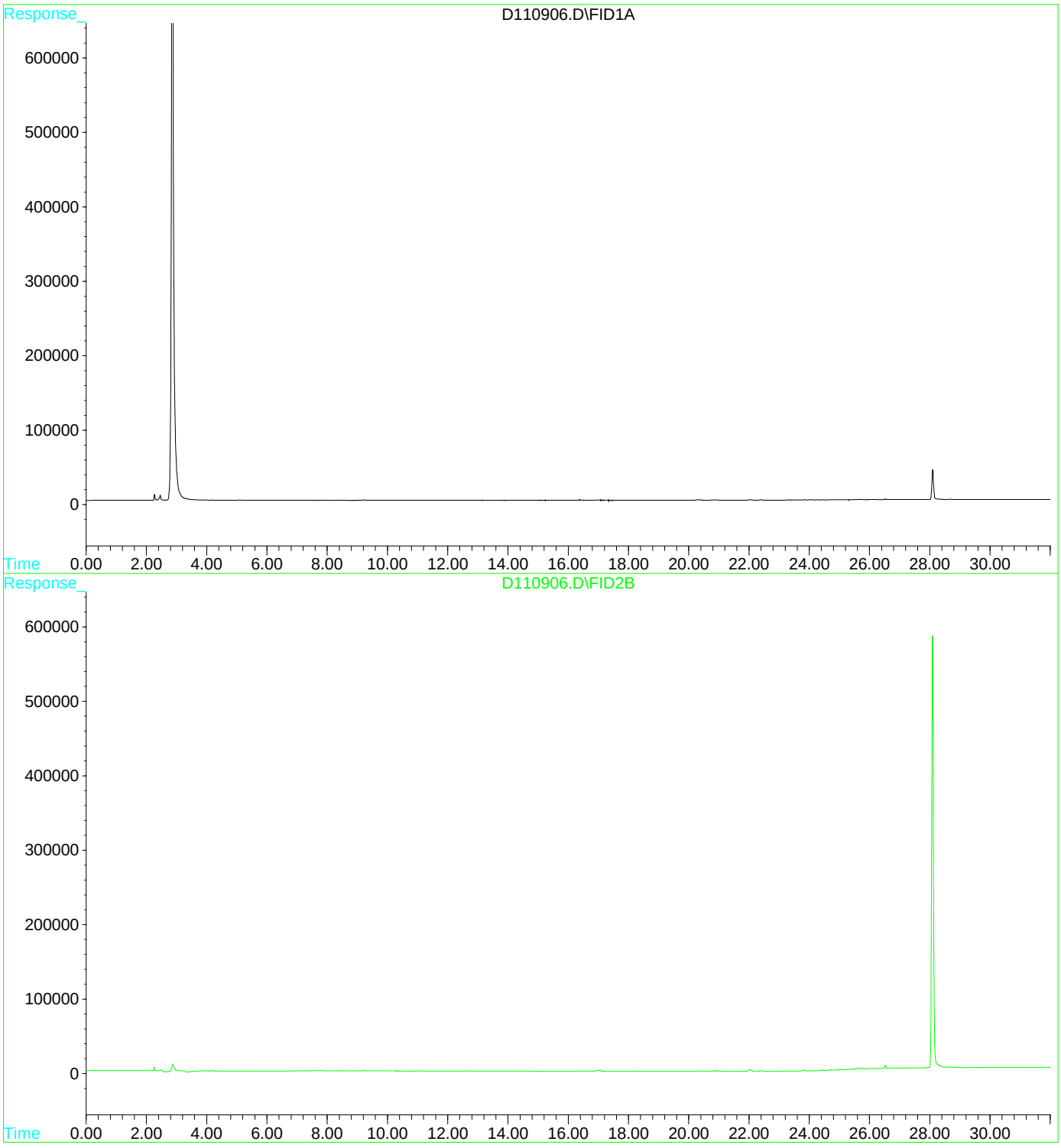
Operator : rcm
Acquired : 9 Nov 20106 11:54 am using AcqMethod VPHX.M
Instrument : 5890 VPH
Sample Name: R1103-09 MW2
Misc Info :
Vial Number: 6



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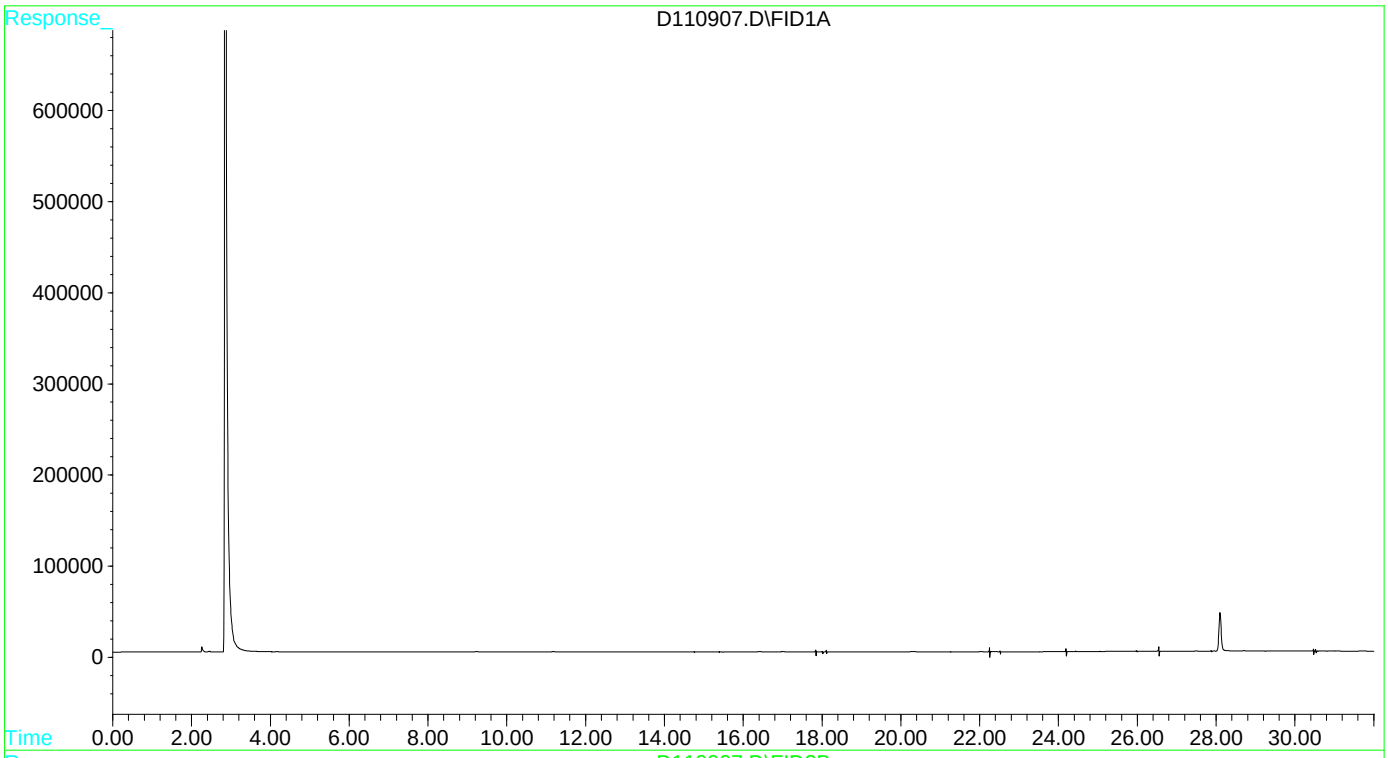
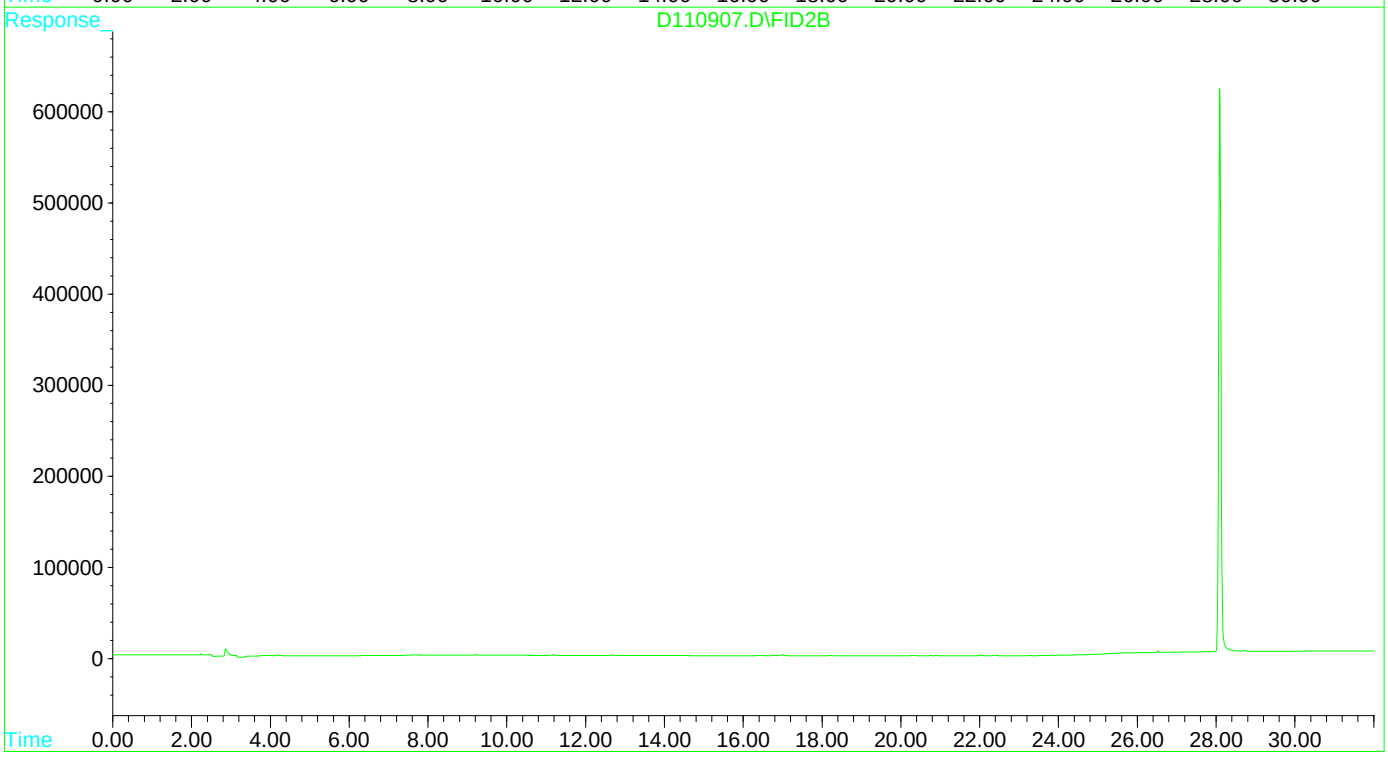
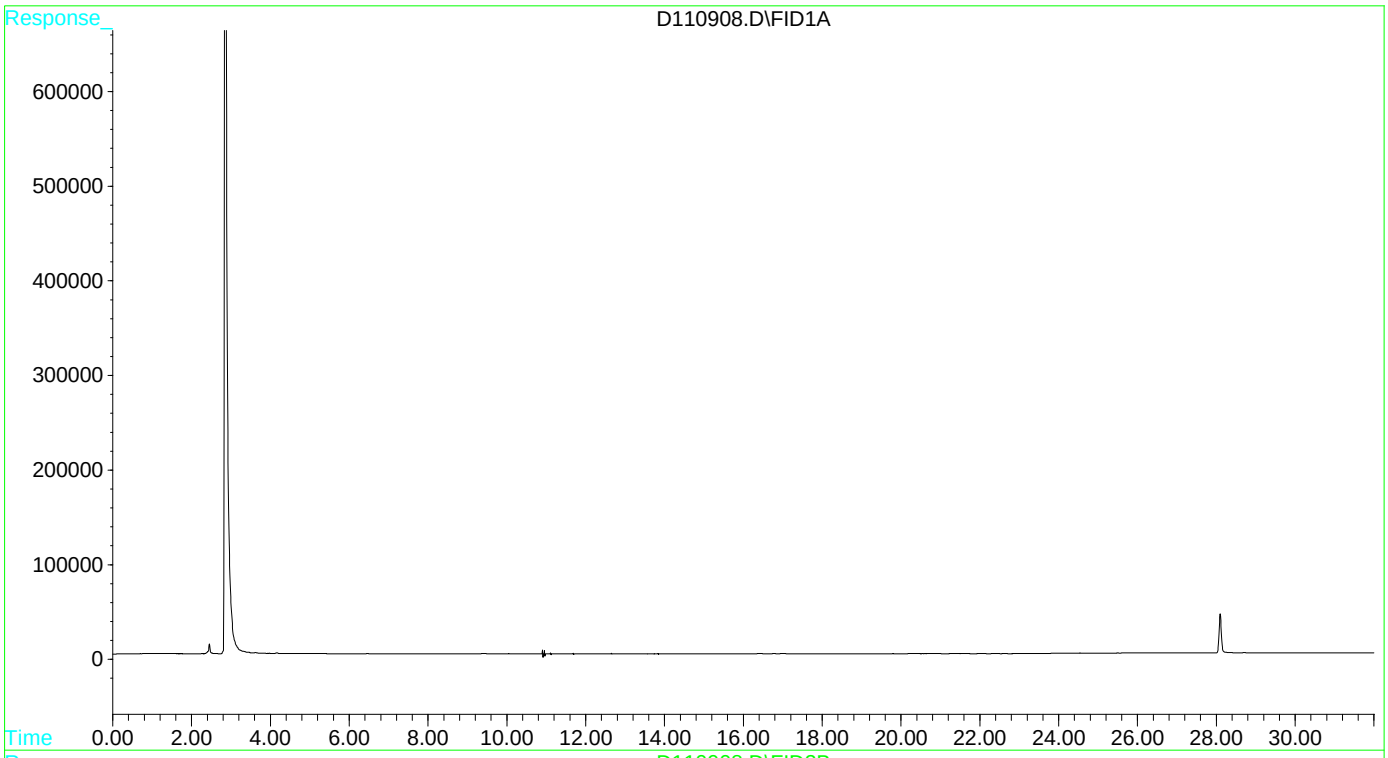
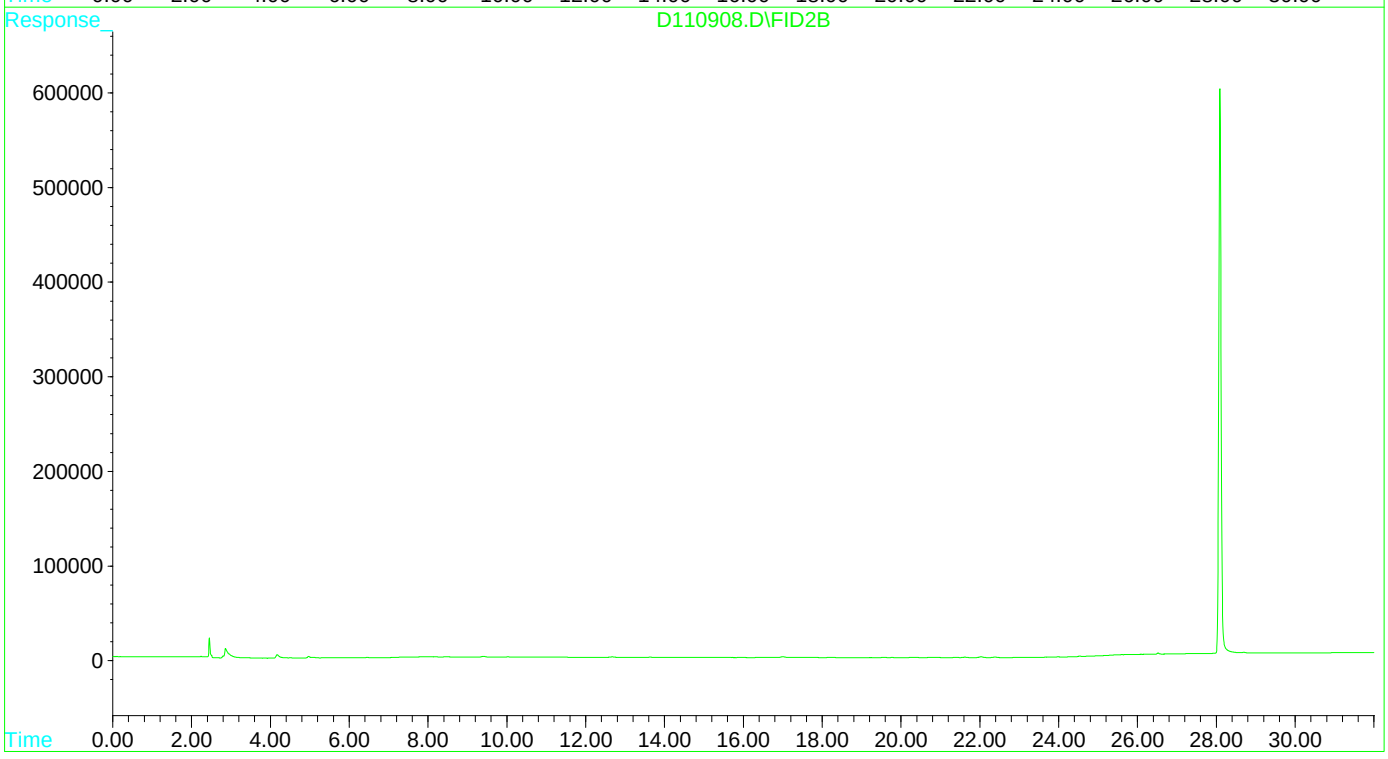
Operator : rcm
Acquired : 9 Nov 20106 12:33 pm using AcqMethod VPHX.M
Instrument : 5890 VPH
Sample Name: R1103-09 MW3
Misc Info :
Vial Number: 7



File : C:\HPCHEM\1\DATA\NOV0906\D110908.D
Operator : rcm
Acquired : 9 Nov 20106 1:13 pm using AcqMethod VPHX.M
Instrument : 5890 VPH
Sample Name: R1103-09 MW4
Misc Info :
Vial Number: 8



# RESULTS: EXTRACTABLE PETROLEUM HYDROCARBONS

**Results for EPH analysis are presented in the following section. Each page is electronically signed. In the hardcopy report, two signatures appear on the approval line – the electronic signature and the handwritten signature.**

**SAMPLE INFORMATION**

| | |
|---|---|
| Matrix | X Aqueous Soil Sediment Other: |
| Containers | X Satisfactory Broken Leaking: |
| Aqueous Preservatives | N/A X pH<2 pH>2 Comment: |
| Temperature | X Received on Ice Received at 4 ° C Other: |
| Extraction Method | Water: Separatory Funnel Soil: N/A |

**EPH ANALYTICAL RESULTS**

| | | | | |
|---|---|---|---|---|
| Method for Ranges: MADEP EPH 98-1 | | | Client ID | MW-1 |
| Method for Target Analytes: | | | Lab ID | R1103-09 |
| EPH Surrogate Standards | | | Date Collected | 11/1/06 |
| Aliphatic: Chlorooctadecane | | | Date Received | 11/3/06 |
| Aromatic: o-Terphenyl | | | Date Extracted | 11/8/06 |
| EPH Fractionation Surrogates | | | Date Analyzed | 11/9/06 |
| 2-Fluorobiphenyl | | | Dilution Factor | 1X |
| 2-Bromonaphthalene | | | % Moisture (soil) | N/A |
| **RANGE/TARGET ANALYTE** | | **RL** | **Units** | |
| Unadjusted C11-C22 Aromatics[1] | | 176 | ug/L | <176 |
| Diesel PAH Analytes | Naphthalene | 1.2 | ug/L | <1.2 |
| | 2-Methylnaphthalene | 1.2 | ug/L | <1.2 |
| | Phenanthrene | 1.2 | ug/L | <1.2 |
| | Acenaphthylene | 1.2 | ug/L | <1.2 |
| Other Target PAH Analytes | Acenaphthene | 5.9 | ug/L | <5.9 |
| | Fluorene | 5.9 | ug/L | <5.9 |
| | Anthracene | 5.9 | ug/L | <5.9 |
| | Fluoranthene | 5.9 | ug/L | <5.9 |
| | Pyrene | 5.9 | ug/L | <5.9 |
| | Benzo(a)anthracene | 1.2 | ug/L | <1.2 |
| | Chrysene | 2.4 | ug/L | <2.4 |
| | Benzo(b)fluoranthene | 1.2 | ug/L | <1.2 |
| | Benzo(k)fluoranthene | 1.2 | ug/L | <1.2 |
| | Benzo(a)pyrene | 0.2 | ug/L | <0.2 |
| | Indeno(1,2,3-cd)pyrene | 0.6 | ug/L | <0.6 |
| | Dibenzo(a,h)anthracene | 0.6 | ug/L | <0.6 |
| | Benzo(g,h,i)perylene | 5.9 | ug/L | <5.9 |
| C9-C18 Aliphatic Hydrocarbons[1] | | 235 | ug/L | <235 |
| C19-C36 Aliphatic Hydrocarbons[1] | | 235 | ug/L | <235 |
| C11-C22 Aromatic Hydrocarbons[1,2] | | 176 | ug/L | <176 |
| Aliphatic Surrogate % Recovery | | | | 72 |
| Aromatic Surrogate % Recovery | | | | 98 |
| Sample Surrogate Acceptance Range | | | | 40-140% |
| Fractionation Surrogate % Recovery | | | | 117 |
| Fractionation Surrogate % Recovery | | | | 121 |
| Fractionation Surrogate Acceptance Range | | | | 40-140% |

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

**CERTIFICATION**

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

*I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.*

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 11/10/2006

**SAMPLE INFORMATION**

| | |
|---|---|
| Matrix | X Aqueous Soil Sediment Other: |
| Containers | X Satisfactory Broken Leaking: |
| Aqueous Preservatives | N/A X pH<2 pH>2 Comment: |
| Temperature | X Received on Ice Received at 4 ° C Other: |
| Extraction Method | Water: Separatory Funnel Soil: N/A |

**EPH ANALYTICAL RESULTS**

| Method for Ranges: MADEP EPH 98-1 | | | Client ID | MW-2 |
|---|---|---|---|---|
| Method for Target Analytes: | | | Lab ID | R1103-09 |
| EPH Surrogate Standards | | | Date Collected | 11/1/06 |
| Aliphatic: Chlorooctadecane | | | Date Received | 11/3/06 |
| Aromatic: o-Terphenyl | | | Date Extracted | 11/8/06 |
| EPH Fractionation Surrogates | | | Date Analyzed | 11/9/06 |
| 2-Fluorobiphenyl | | | Dilution Factor | 1X |
| 2-Bromonaphthalene | | | % Moisture (soil) | N/A |
| **RANGE/TARGET ANALYTE** | | **RL** | **Units** | |
| Unadjusted C11-C22 Aromatics[1] | | 150 | ug/L | <150 |
| Diesel PAH Analytes | Naphthalene | 1.0 | ug/L | <1.0 |
| | 2-Methylnaphthalene | 1.0 | ug/L | <1.0 |
| | Phenanthrene | 1.0 | ug/L | <1.0 |
| | Acenaphthylene | 1.0 | ug/L | <1.0 |
| Other Target PAH Analytes | Acenaphthene | 5.0 | ug/L | <5.0 |
| | Fluorene | 5.0 | ug/L | <5.0 |
| | Anthracene | 5.0 | ug/L | <5.0 |
| | Fluoranthene | 5.0 | ug/L | <5.0 |
| | Pyrene | 5.0 | ug/L | <5.0 |
| | Benzo(a)anthracene | 1.0 | ug/L | <1.0 |
| | Chrysene | 2.0 | ug/L | <2.0 |
| | Benzo(b)fluoranthene | 1.0 | ug/L | <1.0 |
| | Benzo(k)fluoranthene | 1.0 | ug/L | <1.0 |
| | Benzo(a)pyrene | 0.2 | ug/L | <0.2 |
| | Indeno(1,2,3-cd)pyrene | 0.5 | ug/L | <0.5 |
| | Dibenzo(a,h)anthracene | 0.5 | ug/L | <0.5 |
| | Benzo(g,h,i)perylene | 5.0 | ug/L | <5.0 |
| C9-C18 Aliphatic Hydrocarbons[1] | | 200 | ug/L | <200 |
| C19-C36 Aliphatic Hydrocarbons[1] | | 200 | ug/L | <200 |
| C11-C22 Aromatic Hydrocarbons[1,2] | | 150 | ug/L | <150 |
| Aliphatic Surrogate % Recovery | | | | 69 |
| Aromatic Surrogate % Recovery | | | | 91 |
| Sample Surrogate Acceptance Range | | | | 40-140% |
| Fractionation Surrogate % Recovery | | | | 119 |
| Fractionation Surrogate % Recovery | | | | 117 |
| Fractionation Surrogate Acceptance Range | | | | 40-140% |

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

**CERTIFICATION**

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

*I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.*

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 11/10/2006

**SAMPLE INFORMATION**

| | |
|---|---|
| Matrix | X Aqueous Soil Sediment Other: |
| Containers | X Satisfactory Broken Leaking: |
| Aqueous Preservatives | N/A X pH<2 pH>2 Comment: |
| Temperature | X Received on Ice Received at 4 ° C Other: |
| Extraction Method | Water: Separatory Funnel Soil: N/A |

**EPH ANALYTICAL RESULTS**

| | | | | |
|---|---|---|---|---|
| Method for Ranges: MADEP EPH 98-1 | | | Client ID | MW-3 |
| Method for Target Analytes: | | | Lab ID | R1103-09 |
| EPH Surrogate Standards | | | Date Collected | 11/1/06 |
| Aliphatic: Chlorooctadecane | | | Date Received | 11/3/06 |
| Aromatic: o-Terphenyl | | | Date Extracted | 11/8/06 |
| EPH Fractionation Surrogates | | | Date Analyzed | 11/9/06 |
| 2-Fluorobiphenyl | | | Dilution Factor | 1X |
| 2-Bromonaphthalene | | | % Moisture (soil) | N/A |
| **RANGE/TARGET ANALYTE** | | **RL** | **Units** | |
| Unadjusted C11-C22 Aromatics[1] | | 150 | ug/L | <150 |
| Diesel PAH Analytes | Naphthalene | 1.0 | ug/L | <1.0 |
| | 2-Methylnaphthalene | 1.0 | ug/L | <1.0 |
| | Phenanthrene | 1.0 | ug/L | <1.0 |
| | Acenaphthylene | 1.0 | ug/L | <1.0 |
| Other Target PAH Analytes | Acenaphthene | 5.0 | ug/L | <5.0 |
| | Fluorene | 5.0 | ug/L | <5.0 |
| | Anthracene | 5.0 | ug/L | <5.0 |
| | Fluoranthene | 5.0 | ug/L | <5.0 |
| | Pyrene | 5.0 | ug/L | <5.0 |
| | Benzo(a)anthracene | 1.0 | ug/L | <1.0 |
| | Chrysene | 2.0 | ug/L | <2.0 |
| | Benzo(b)fluoranthene | 1.0 | ug/L | <1.0 |
| | Benzo(k)fluoranthene | 1.0 | ug/L | <1.0 |
| | Benzo(a)pyrene | 0.2 | ug/L | <0.2 |
| | Indeno(1,2,3-cd)pyrene | 0.5 | ug/L | <0.5 |
| | Dibenzo(a,h)anthracene | 0.5 | ug/L | <0.5 |
| | Benzo(g,h,i)perylene | 5.0 | ug/L | <5.0 |
| C9-C18 Aliphatic Hydrocarbons[1] | | 200 | ug/L | <200 |
| C19-C36 Aliphatic Hydrocarbons[1] | | 200 | ug/L | <200 |
| C11-C22 Aromatic Hydrocarbons[1,2] | | 150 | ug/L | <150 |
| Aliphatic Surrogate % Recovery | | | | 66 |
| Aromatic Surrogate % Recovery | | | | 100 |
| Sample Surrogate Acceptance Range | | | | 40-140% |
| Fractionation Surrogate % Recovery | | | | 117 |
| Fractionation Surrogate % Recovery | | | | 122 |
| Fractionation Surrogate Acceptance Range | | | | 40-140% |

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

**CERTIFICATION**

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant mo difications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

*I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.*

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 11/10/2006

**SAMPLE INFORMATION**

| | |
|---|---|
| Matrix | X Aqueous Soil Sediment Other: |
| Containers | X Satisfactory Broken Leaking: |
| Aqueous Preservatives | N/A X pH<2 pH>2 Comment: |
| Temperature | X Received on Ice Received at 4 ° C Other: |
| Extraction Method | Water: Separatory Funnel Soil: N/A |

**EPH ANALYTICAL RESULTS**

| | | | | |
|---|---|---|---|---|
| Method for Ranges: MADEP EPH 98-1 | | | Client ID | MW-4 |
| Method for Target Analytes: | | | Lab ID | R1103-09 |
| EPH Surrogate Standards | | | Date Collected | 11/1/06 |
| Aliphatic: Chlorooctadecane | | | Date Received | 11/3/06 |
| Aromatic: o-Terphenyl | | | Date Extracted | 11/8/06 |
| EPH Fractionation Surrogates | | | Date Analyzed | 11/9/06 |
| 2-Fluorobiphenyl | | | Dilution Factor | 1X |
| 2-Bromonaphthalene | | | % Moisture (soil) | N/A |
| **RANGE/TARGET ANALYTE** | | **RL** | **Units** | |
| Unadjusted C11-C22 Aromatics[1] | | 150 | ug/L | <150 |
| Diesel PAH Analytes | Naphthalene | 1.0 | ug/L | <1.0 |
| | 2-Methylnaphthalene | 1.0 | ug/L | <1.0 |
| | Phenanthrene | 1.0 | ug/L | <1.0 |
| | Acenaphthylene | 1.0 | ug/L | <1.0 |
| Other Target PAH Analytes | Acenaphthene | 5.0 | ug/L | <5.0 |
| | Fluorene | 5.0 | ug/L | <5.0 |
| | Anthracene | 5.0 | ug/L | <5.0 |
| | Fluoranthene | 5.0 | ug/L | <5.0 |
| | Pyrene | 5.0 | ug/L | <5.0 |
| | Benzo(a)anthracene | 1.0 | ug/L | <1.0 |
| | Chrysene | 2.0 | ug/L | <2.0 |
| | Benzo(b)fluoranthene | 1.0 | ug/L | <1.0 |
| | Benzo(k)fluoranthene | 1.0 | ug/L | <1.0 |
| | Benzo(a)pyrene | 0.2 | ug/L | <0.2 |
| | Indeno(1,2,3-cd)pyrene | 0.5 | ug/L | <0.5 |
| | Dibenzo(a,h)anthracene | 0.5 | ug/L | <0.5 |
| | Benzo(g,h,i)perylene | 5.0 | ug/L | <5.0 |
| C9-C18 Aliphatic Hydrocarbons[1] | | 200 | ug/L | <200 |
| C19-C36 Aliphatic Hydrocarbons[1] | | 200 | ug/L | <200 |
| C11-C22 Aromatic Hydrocarbons[1,2] | | 150 | ug/L | <150 |
| Aliphatic Surrogate % Recovery | | | | 43 |
| Aromatic Surrogate % Recovery | | | | 98 |
| Sample Surrogate Acceptance Range | | | | 40-140% |
| Fractionation Surrogate % Recovery | | | | 134 |
| Fractionation Surrogate % Recovery | | | | 140 |
| Fractionation Surrogate Acceptance Range | | | | 40-140% |

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

**CERTIFICATION**

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

*I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.*

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 11/10/2006

**SAMPLE INFORMATION**

| | |
|---|---|
| Matrix | X Aqueous Soil Sediment Other: |
| Containers | Satisfactory Broken Leaking: |
| Aqueous Preservatives | N/A pH<2 pH>2 Comment: |
| Temperature | Received on Ice Received at 4 ° C Other: |
| Extraction Method | Water: Separatory Funnel Soil: N/A |

**EPH ANALYTICAL RESULTS**

| | | | | |
|---|---|---|---|---|
| Method for Ranges: MADEP EPH 98-1 | | | Client ID | Method Blank |
| Method for Target Analytes: | | | Lab ID | R1103-09 |
| EPH Surrogate Standards | | | Date Collected | NA |
| Aliphatic: Chlorooctadecane | | | Date Received | NA |
| Aromatic: o-Terphenyl | | | Date Extracted | 11/8/06 |
| EPH Fractionation Surrogates | | | Date Analyzed | 11/9/06 |
| 2-Fluorobiphenyl | | | Dilution Factor | 1X |
| 2-Bromonaphthalene | | | % Moisture (soil) | N/A |
| **RANGE/TARGET ANALYTE** | | **RL** | **Units** | |
| Unadjusted C11-C22 Aromatics[1] | | 150 | ug/L | <150 |
| Diesel PAH Analytes | Naphthalene | 1.0 | ug/L | <1.0 |
| | 2-Methylnaphthalene | 1.0 | ug/L | <1.0 |
| | Phenanthrene | 1.0 | ug/L | <1.0 |
| | Acenaphthylene | 1.0 | ug/L | <1.0 |
| Other Target PAH Analytes | Acenaphthene | 5.0 | ug/L | <5.0 |
| | Fluorene | 5.0 | ug/L | <5.0 |
| | Anthracene | 5.0 | ug/L | <5.0 |
| | Fluoranthene | 5.0 | ug/L | <5.0 |
| | Pyrene | 5.0 | ug/L | <5.0 |
| | Benzo(a)anthracene | 1.0 | ug/L | <1.0 |
| | Chrysene | 2.0 | ug/L | <2.0 |
| | Benzo(b)fluoranthene | 1.0 | ug/L | <1.0 |
| | Benzo(k)fluoranthene | 1.0 | ug/L | <1.0 |
| | Benzo(a)pyrene | 0.2 | ug/L | <0.2 |
| | Indeno(1,2,3-cd)pyrene | 0.5 | ug/L | <0.5 |
| | Dibenzo(a,h)anthracene | 0.5 | ug/L | <0.5 |
| | Benzo(g,h,i)perylene | 5.0 | ug/L | <5.0 |
| C9-C18 Aliphatic Hydrocarbons[1] | | 200 | ug/L | <200 |
| C19-C36 Aliphatic Hydrocarbons[1] | | 200 | ug/L | <200 |
| C11-C22 Aromatic Hydrocarbons[1,2] | | 150 | ug/L | <150 |
| Aliphatic Surrogate % Recovery | | | | 56 |
| Aromatic Surrogate % Recovery | | | | 95 |
| Sample Surrogate Acceptance Range | | | | 40-140% |
| Fractionation Surrogate % Recovery | | | | 119 |
| Fractionation Surrogate % Recovery | | | | 130 |
| Fractionation Surrogate Acceptance Range | | | | 40-140% |

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

**CERTIFICATION**

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

*I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.*

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 11/10/2006

**Spike Recovery and RPD Summary Report - WATER**

**Method : R:\2\METHODS\ALI.M (Chemstation Integrator)**
**Title :**
**Last Update : Fri Nov 10 09:36:57 2006**
**Response via : Initial Calibration**

**Non-Spiked Sample: F110913.D**

| | Spike Sample | Spike Duplicate Sample |
|---|---|---|
| File ID : | F110914.D | F110915.D |
| Sample : | LHW11-08 | LHWD 11-08 |
| Acq Time: | 9 Nov 20106 7:19 pm | 9 Nov 20106 7:57 pm |

| Compound | Sample Conc | Spike Added | Spike Res | Dup Res | Spike %Rec | Dup %Rec | RPD | QC Limits RPD | QC Limits % Rec |
|---|---|---|---|---|---|---|---|---|---|
| Nonane | 0.0 | 40 | 23 | 25 | 58 | 62 | 8 | 25 | 30-140 |
| Tetradecane | 0.0 | 40 | 38 | 41 | 95 | 102 | 7 | 25 | 40-140 |
| Nonadecane | 0.0 | 40 | 45 | 44 | 113 | 111 | 2 | 25 | 40-140 |
| Eicosane | 0.0 | 40 | 47 | 47 | 117 | 117 | 0 | 25 | 40-140 |
| Octacosane | 0.0 | 40 | 47 | 46 | 116 | 115 | 1 | 25 | 40-140 |

**# - Fails Limit Check**

**ALI.M Fri Nov 10 10:03:09 2006**

## Spike Recovery and RPD Summary Report - WATER

Method : R:\2\METHODS\ARO.M (Chemstation Integrator)
Title :
Last Update : Thu Nov 09 16:13:25 2006
Response via : Initial Calibration

Non-Spiked Sample: F110903.D

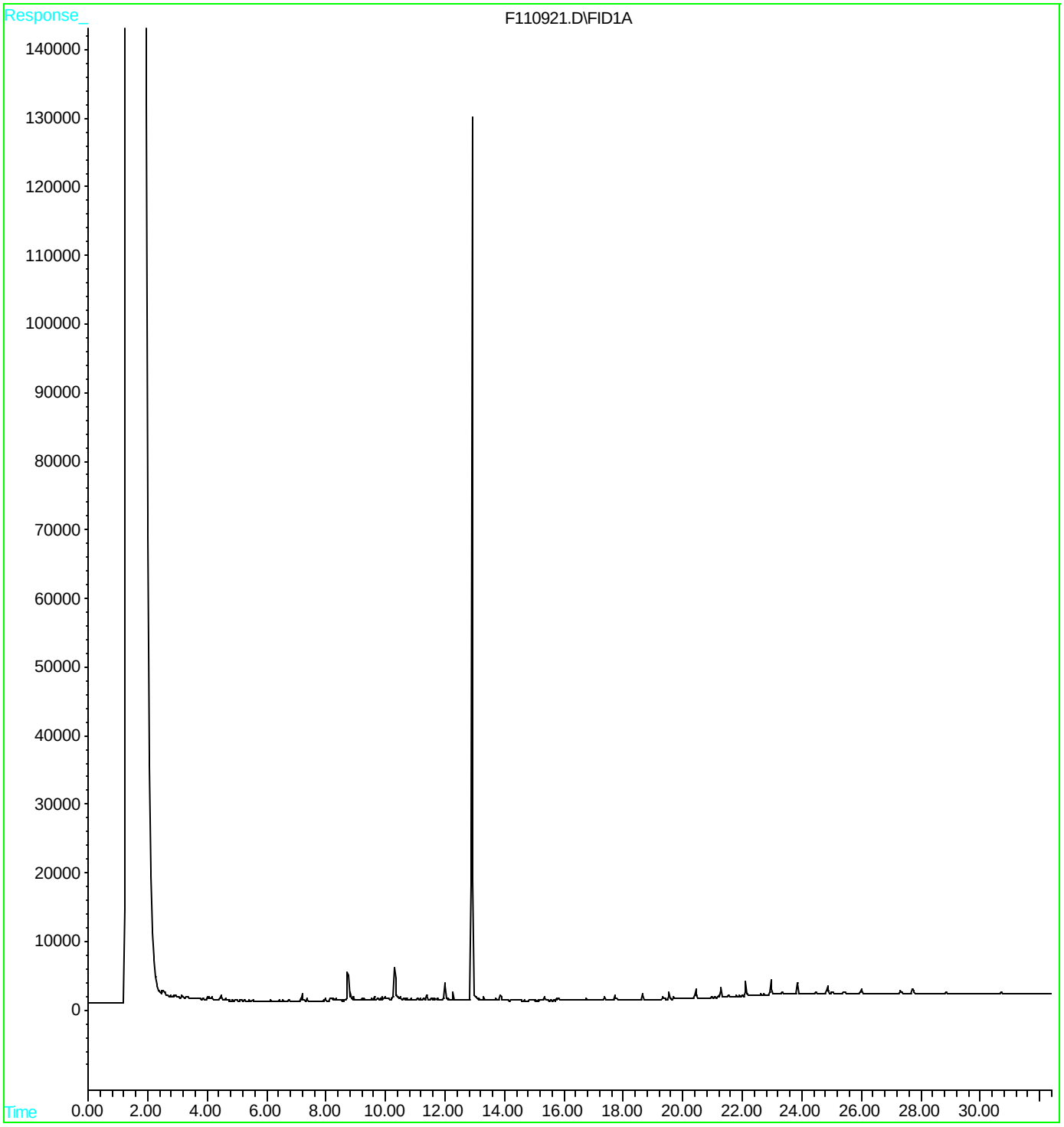
| | Spike Sample | Spike Duplicate Sample |
|---|---|---|
| File ID : | F110904.D | F110905.D |
| Sample : | LMW11-08 | LMWD 11-08 |
| Acq Time: | 9 Nov 20106 1:12 pm | 9 Nov 20106 1:48 pm |

| Compound | Sample Conc | Spike Added | Spike Res | Dup Res | Spike %Rec | Dup %Rec | RPD | QC Limits RPD | QC Limits % Rec |
|---|---|---|---|---|---|---|---|---|---|
| Napthalene | 0.0 | 40 | 38 | 41 | 95 | 102 | 6 | 25 | 40-140 |
| 2 methyl napthalene | 0.0 | 40 | 37 | 39 | 91 | 97 | 6 | 25 | 40-140 |
| Acenapthene | 0.0 | 40 | 37 | 38 | 92 | 95 | 4 | 25 | 40-140 |
| Anthracene | 0.0 | 40 | 44 | 44 | 110 | 109 | 1 | 25 | 40-140 |
| Pyrene | 0.0 | 40 | 47 | 46 | 117 | 114 | 2 | 25 | 40-140 |
| Chrysene | 0.0 | 40 | 47 | 47 | 118 | 116 | 2 | 25 | 40-140 |

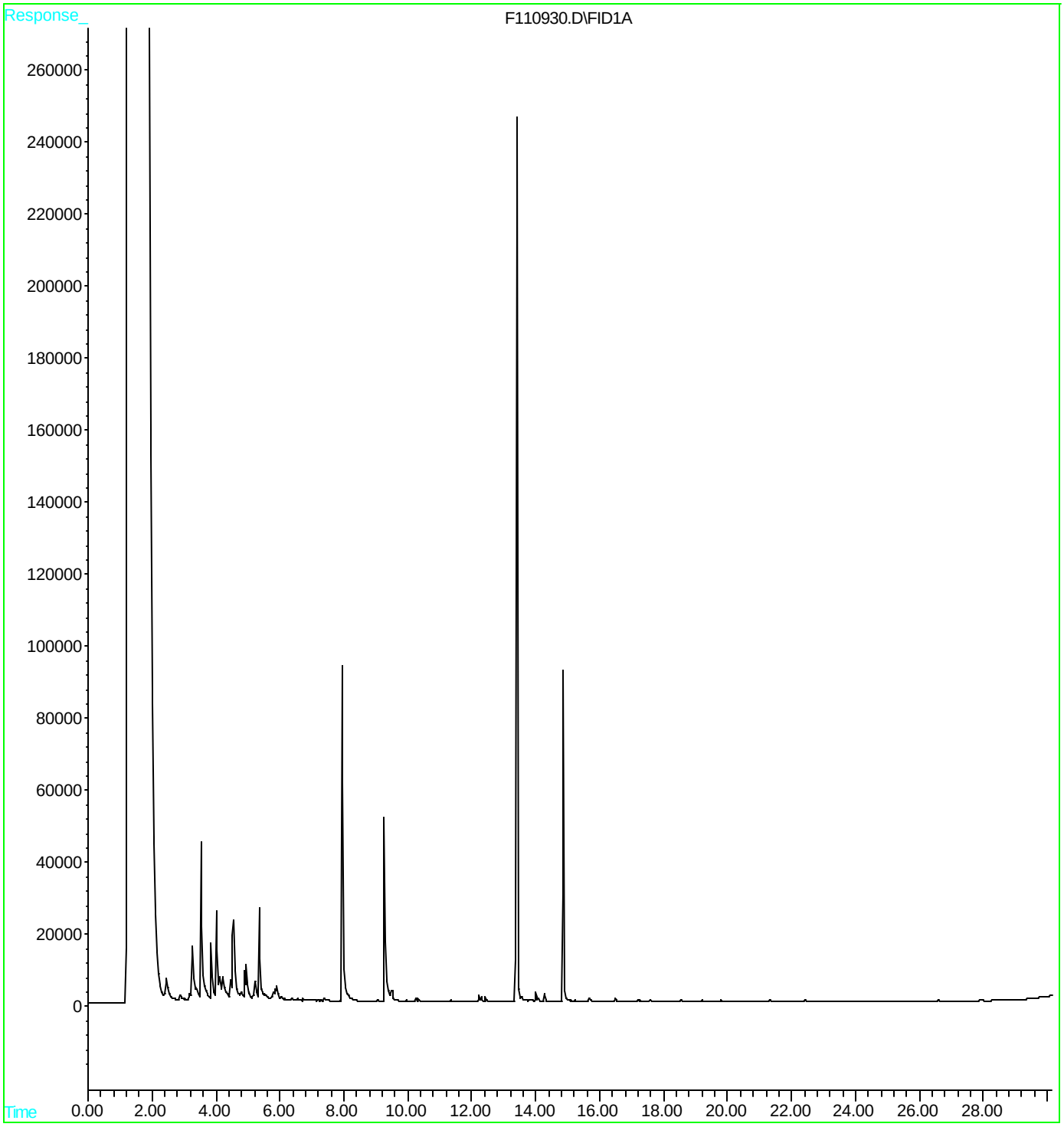
# - Fails Limit Check

ARO.M Fri Nov 10 10:09:31 2006

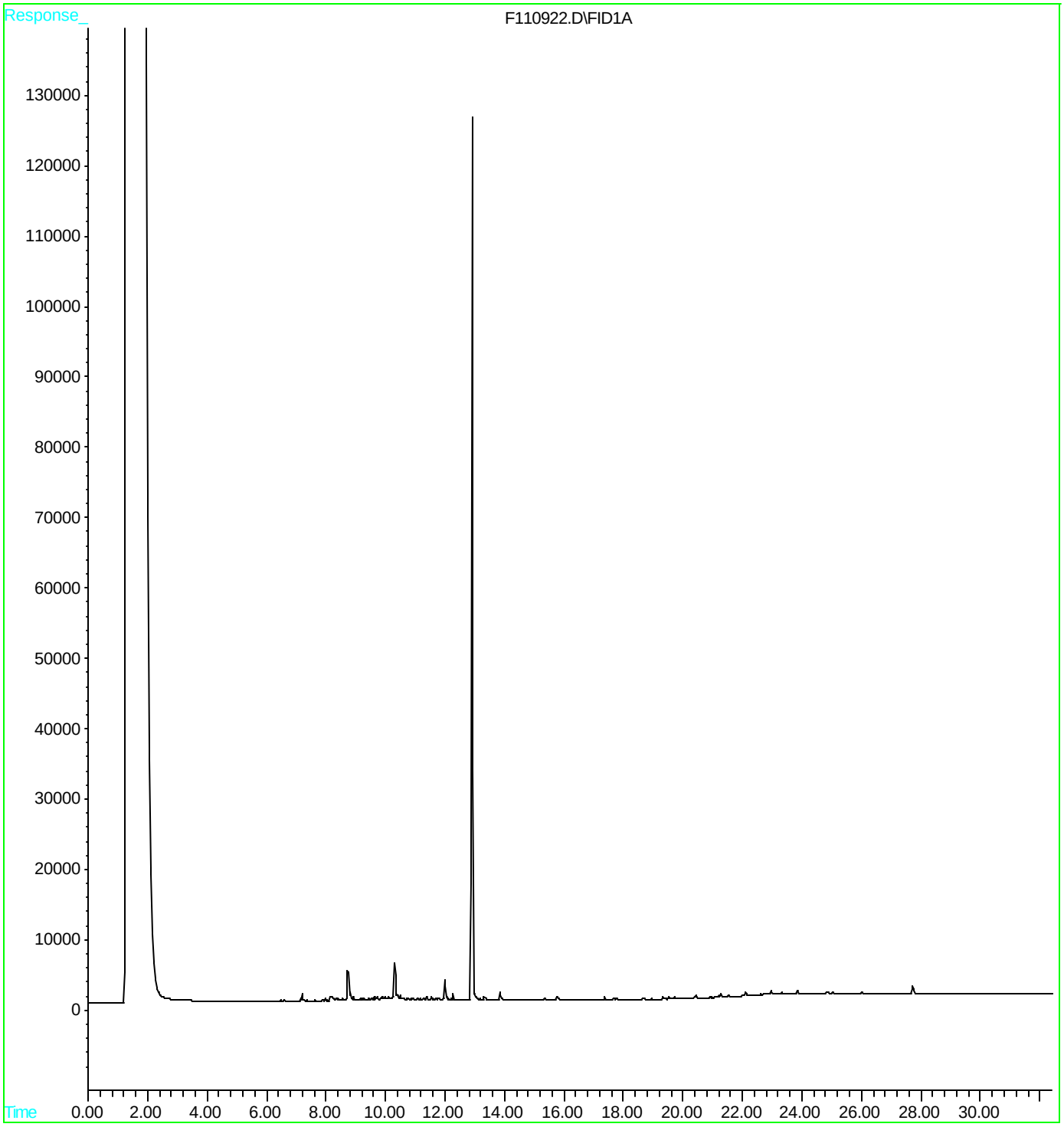
**File : R:\2\DATA\F110906\F110921.D**
**Operator :**
**Acquired : 9 Nov 20106 11:49 pm using AcqMethod FID.M**
**Instrument : GC2**
**Sample Name: 1103-09 1HX**
**Misc Info :**
**Vial Number: 18**



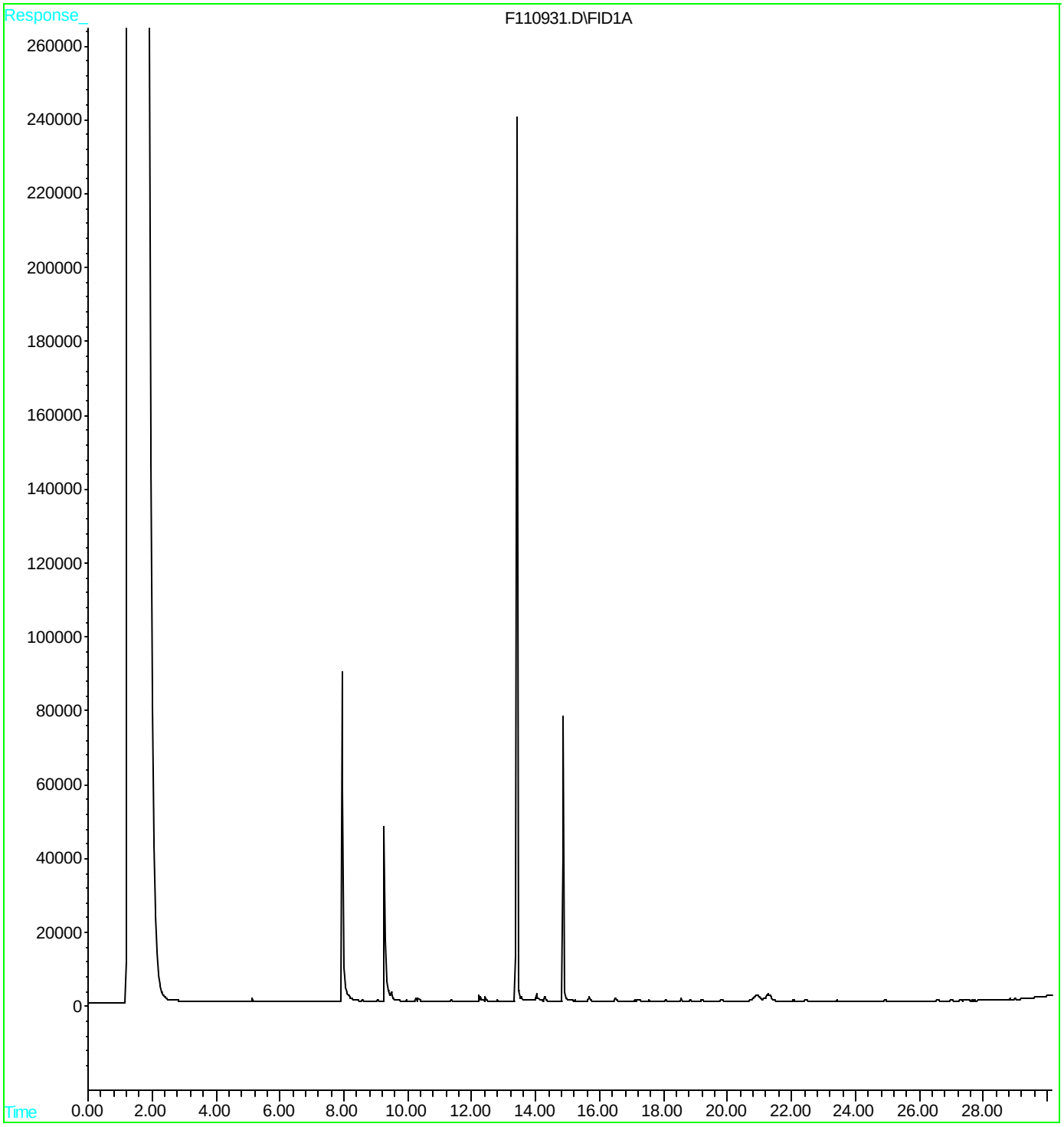
**File : R:\2\DATA\F110906\F110930.D**
**Operator :**
**Acquired : 10 Nov 20106 5:30 am using AcqMethod AROM.M**
**Instrument : GC2**
**Sample Name: 110309 1ME**
**Misc Info :**
**Vial Number: 25**



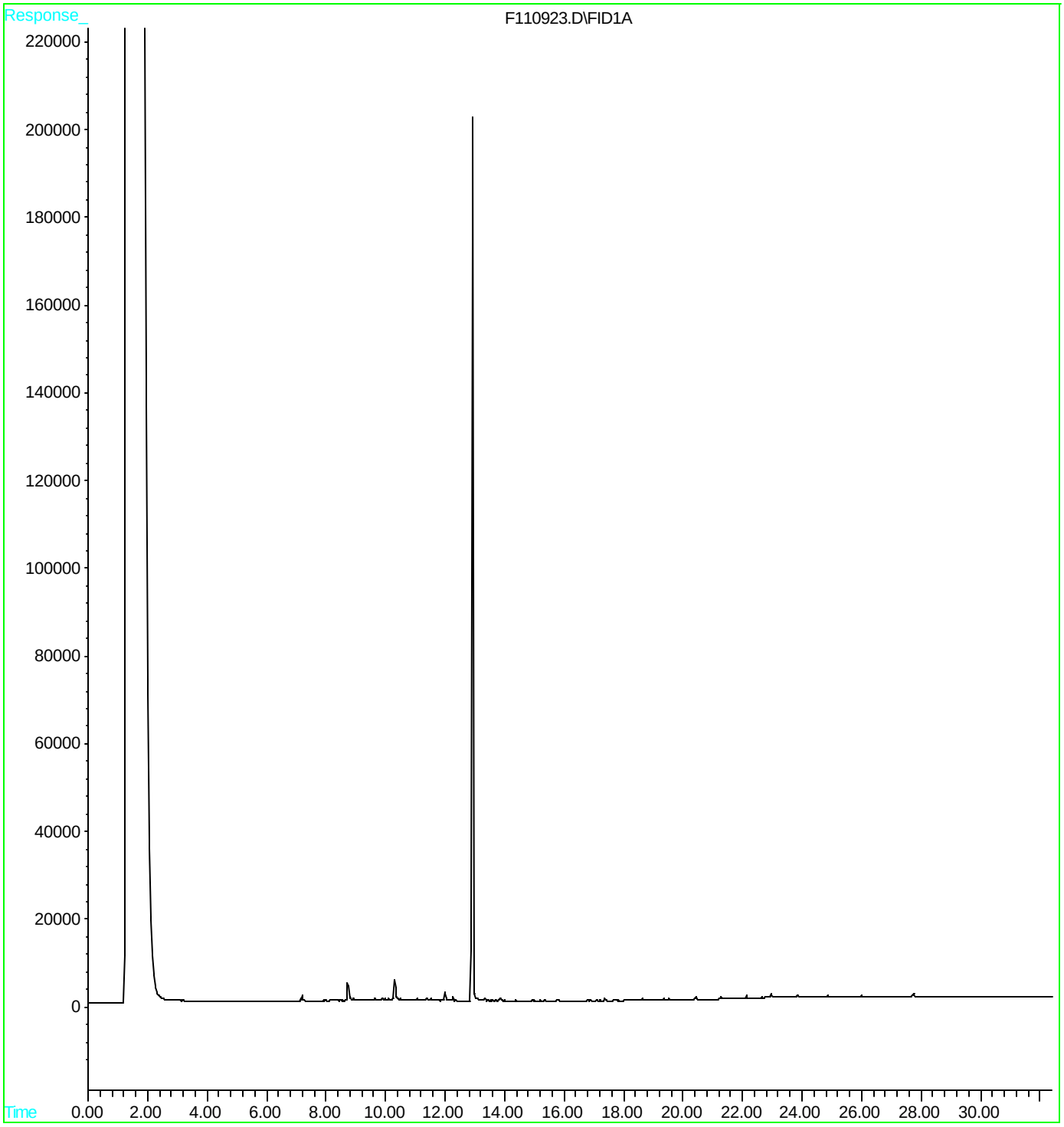
**File : R:\2\DATA\F110906\F110922.D**
**Operator :**
**Acquired : 10 Nov 20106 12:27 am using AcqMethod FID.M**
**Instrument : GC2**
**Sample Name: 1103-09 2HX**
**Misc Info :**
**Vial Number: 19**



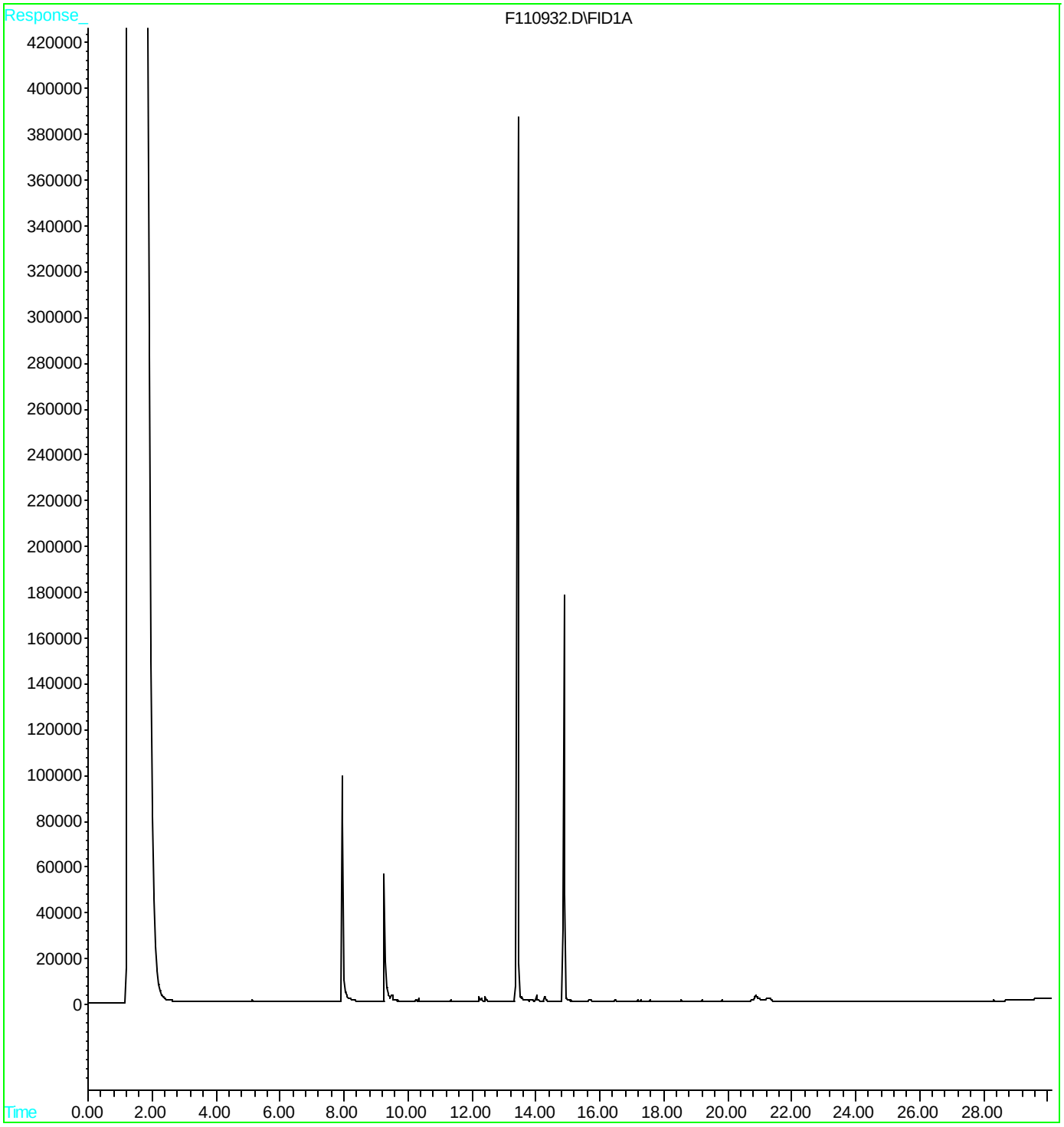
**File : R:\2\DATA\F110906\F110931.D**
**Operator :**
**Acquired : 10 Nov 20106 6:06 am using AcqMethod AROM.M**
**Instrument : GC2**
**Sample Name: 110309 2ME**
**Misc Info :**
**Vial Number: 26**



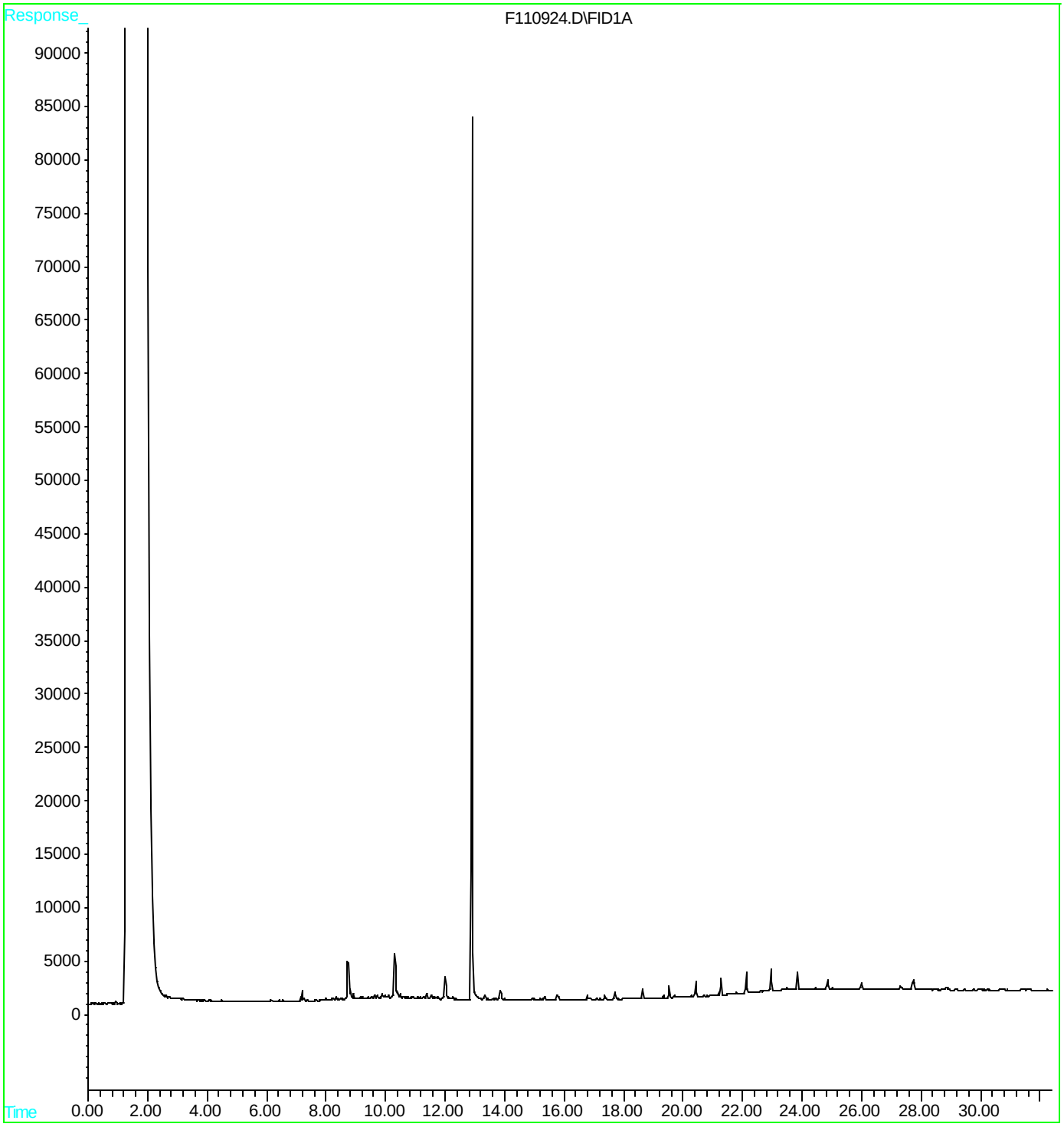
**File : R:\2\DATA\F110906\F110923.D**
**Operator :**
**Acquired : 10 Nov 20106 1:06 am using AcqMethod FID.M**
**Instrument : GC2**
**Sample Name: 1103-09 3HX**
**Misc Info :**
**Vial Number: 20**



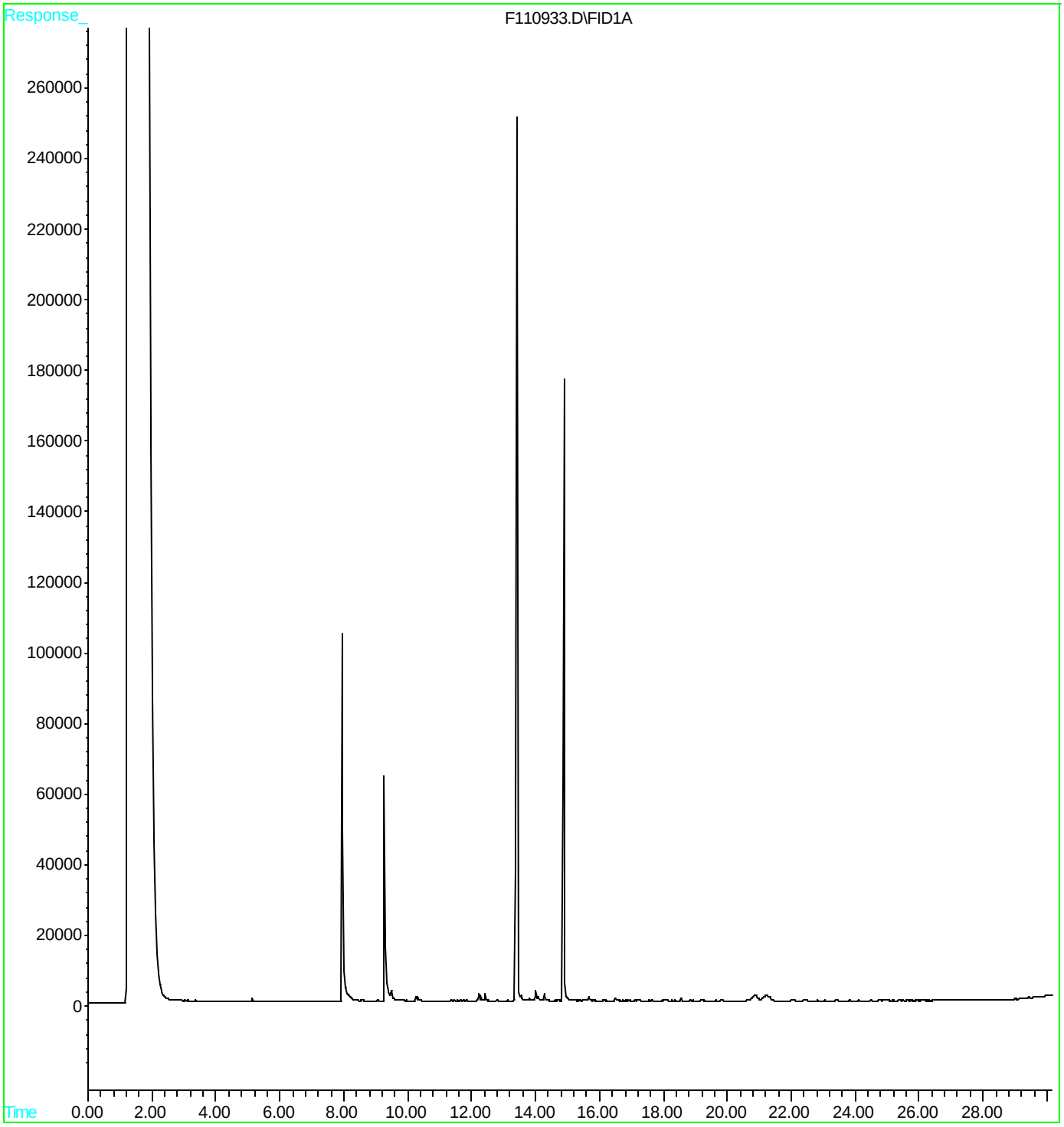
**File : R:\2\DATA\F110906\F110932.D**
**Operator :**
**Acquired : 10 Nov 20106 6:43 am using AcqMethod AROM.M**
**Instrument : GC2**
**Sample Name: 110309 3ME**
**Misc Info :**
**Vial Number: 27**



**File : R:\2\DATA\F110906\F110924.D**
**Operator :**
**Acquired : 10 Nov 20106 1:44 am using AcqMethod FID.M**
**Instrument : GC2**
**Sample Name: 1103-09 4HX**
**Misc Info :**
**Vial Number: 21**



**File : R:\2\DATA\F110906\F110933.D**
**Operator :**
**Acquired : 10 Nov 20106 7:19 am using AcqMethod AROM.M**
**Instrument : GC2**
**Sample Name: 110309 4ME**
**Misc Info :**
**Vial Number: 28**



Custody Records

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904

R1103-09

## CHAIN OF CUSTODY RECORD

| PROJ. NO | PROJECT NAME | NO. OF CONTAINERS | TESTS: VPH | EPH | 8260 VOC | PCB | RCRA 8 Extended | REMARKS |
|---|---|---|---|---|---|---|---|---|
| | Hess ESA Vachon property | | | | | | | |
| CLIENT: ET | | | | | | | | |
| SAMPLE I.D. | DATE | TIME | COMP | GRAB | STATION LOCATION | | | |
| mw-1 | 11-1-06 | 1245 | | X | | 9 | X | X | X | X | X | X | - Bill ET, Attn: Brian S. |
| -2 | " | 1350 | | " | | " | " | " | " | " | " | " | - Report to ET, Attn: Notto |
| -3 | " | 1610 | | " | | " | " | " | " | " | " | " | - 10 day TAT (by 11-12-06) |
| -4 | " | 1440 | | " | | 5 | " | " | | | | | - Include chromatograms |

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Relinquished by: (Signature) | Date/Time | Received by: (Signature) |
|---|---|---|---|---|---|
| | 11/1/06 6:30 pm | Scott ET Friend | | 11/03/06 9:00 | |
| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Relinquished by: (Signature) | Date/Time | Received by: (Signature) |
| Relinquished by: (Signature) | Date/Time | Received for Laboratory by: (Signature) | Date/Time | Remarks | |
| | | | 11/3/06 11:03 | all samples properly preserved except sample MW-1 for EPH, PH adjusted to <2 | |

4°C
on ice

Technical Report for

EnviroTrac

HESS:946 Washington, 144/150 Mendon Rd. Attleboro MA

Accutest Job Number: M63867

Sampling Date: 04/05/07

Report to:

EnviroTrac

patrickc@envirotrac.com

ATTN: Patrick Corcoran

Total number of pages in report: **18**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

Sections: 1 2 3

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**Section 3: Misc. Forms** ..... **13**
**3.1:** Chain of Custody ..... 14

# Sample Summary

EnviroTrac

**Job No:** M63867

HESS:946 Washington, 144/150 Mendon Rd. Attleboro MA

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| M63867-1 | 04/05/07 | 12:00 | SPK | 04/05/07 | AQ | Ground Water | MW-1 |

## Sample Results

Report of Analysis

Accutest LabLink@72868 10:57 20-Apr-2007

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | M63867-1 | **Date Sampled:** | 04/05/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/05/07 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | HESS:946 Washington, 144/150 Mendon Rd. Attleboro MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | F28137.D | 1 | 04/16/07 | PN | 04/12/07 | OP13335 | MSF1357 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 980 ml | 1.0 ml |
| Run #2 | | |

**ABN PPL List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 5.1 | ug/l | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 10 | ug/l | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 10 | ug/l | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 10 | ug/l | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 20 | ug/l | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 10 | ug/l | |
| 88-75-5 | 2-Nitrophenol | ND | 10 | ug/l | |
| 100-02-7 | 4-Nitrophenol | ND | 20 | ug/l | |
| 87-86-5 | Pentachlorophenol | ND | 10 | ug/l | |
| 108-95-2 | Phenol | ND | 5.1 | ug/l | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 10 | ug/l | |
| 83-32-9 | Acenaphthene | ND | 5.1 | ug/l | |
| 208-96-8 | Acenaphthylene | ND | 5.1 | ug/l | |
| 120-12-7 | Anthracene | ND | 5.1 | ug/l | |
| 92-87-5 | Benzidine | ND | 20 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | ND | 5.1 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | ND | 5.1 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 5.1 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 5.1 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 5.1 | ug/l | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 5.1 | ug/l | |
| 85-68-7 | Butyl benzyl phthalate | ND | 5.1 | ug/l | |
| 91-58-7 | 2-Chloronaphthalene | ND | 5.1 | ug/l | |
| 106-47-8 | 4-Chloroaniline | ND | 10 | ug/l | |
| 218-01-9 | Chrysene | ND | 5.1 | ug/l | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 5.1 | ug/l | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 5.1 | ug/l | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 5.1 | ug/l | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 5.1 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.1 | ug/l | |
| 122-66-7 | 1,2-Diphenylhydrazine | ND | 5.1 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.1 | ug/l | |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | M63867-1 | **Date Sampled:** | 04/05/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/05/07 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | HESS:946 Washington, 144/150 Mendon Rd. Attleboro MA | | |

**ABN PPL List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.1 | ug/l | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 10 | ug/l | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 10 | ug/l | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 5.1 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 5.1 | ug/l | |
| 84-74-2 | Di-n-butyl phthalate | ND | 5.1 | ug/l | |
| 117-84-0 | Di-n-octyl phthalate | ND | 5.1 | ug/l | |
| 84-66-2 | Diethyl phthalate | ND | 5.1 | ug/l | |
| 131-11-3 | Dimethyl phthalate | ND | 5.1 | ug/l | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 5.1 | ug/l | |
| 206-44-0 | Fluoranthene | ND | 5.1 | ug/l | |
| 86-73-7 | Fluorene | ND | 5.1 | ug/l | |
| 118-74-1 | Hexachlorobenzene | ND | 5.1 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.1 | ug/l | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 10 | ug/l | |
| 67-72-1 | Hexachloroethane | ND | 5.1 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 5.1 | ug/l | |
| 78-59-1 | Isophorone | ND | 5.1 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.1 | ug/l | |
| 98-95-3 | Nitrobenzene | ND | 5.1 | ug/l | |
| 62-75-9 | n-Nitrosodimethylamine | ND | 5.1 | ug/l | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 5.1 | ug/l | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.1 | ug/l | |
| 85-01-8 | Phenanthrene | ND | 5.1 | ug/l | |
| 129-00-0 | Pyrene | ND | 5.1 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.1 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 62% | | 10-110% |
| 4165-62-2 | Phenol-d5 | 46% | | 10-110% |
| 118-79-6 | 2,4,6-Tribromophenol | 97% | | 10-110% |
| 4165-60-0 | Nitrobenzene-d5 | 80% | | 30-124% |
| 321-60-8 | 2-Fluorobiphenyl | 80% | | 30-120% |
| 1718-51-0 | Terphenyl-d14 | 90% | | 30-120% |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@72868 10:57 20-Apr-2007

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | M63867-1 | **Date Sampled:** | 04/05/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/05/07 |
| **Method:** | SW846 8011 SW846 8011 | **Percent Solids:** | n/a |
| **Project:** | HESS:946 Washington, 144/150 Mendon Rd. Attleboro MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | BB13656.D | 1 | 04/14/07 | SL | 04/13/07 | OP13345 | GBB570 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 33.9 ml | 2.0 ml |
| Run #2 | | |

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 106-93-4 | 1,2-Dibromoethane | ND | 0.015 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | Bromofluorobenzene (S) | 99% | | 36-173% |
| 460-00-4 | Bromofluorobenzene (S) | 96% | | 36-173% |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@72868 10:57 20-Apr-2007

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | M63867-1 | **Date Sampled:** | 04/05/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/05/07 |
| **Method:** | SW846 8015 | **Percent Solids:** | n/a |
| **Project:** | HESS:946 Washington, 144/150 Mendon Rd. Attleboro MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | BD12592.D | 1 | 04/06/07 | AF | n/a | n/a | GBD617 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-GRO (VOA) | 0.421 | 0.10 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 615-59-8 | 2,5-Dibromotoluene | 104% | | 44-134% |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@72868 10:57 20-Apr-2007

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | M63867-1 | **Date Sampled:** | 04/05/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/05/07 |
| **Method:** | SW846 8082 SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | HESS:946 Washington, 144/150 Mendon Rd. Attleboro MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | EF54383.D | 1 | 04/10/07 | SL | 04/06/07 | OP13308 | GEF2663 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 1000 ml | 5.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 0.25 | ug/l | |
| 11104-28-2 | Aroclor 1221 | ND | 0.25 | ug/l | |
| 11141-16-5 | Aroclor 1232 | ND | 0.25 | ug/l | |
| 53469-21-9 | Aroclor 1242 | ND | 0.25 | ug/l | |
| 12672-29-6 | Aroclor 1248 | ND | 0.25 | ug/l | |
| 11097-69-1 | Aroclor 1254 | ND | 0.25 | ug/l | |
| 11096-82-5 | Aroclor 1260 | ND | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 105% | | 35-136% |
| 877-09-8 | Tetrachloro-m-xylene | 120% | | 35-136% |
| 2051-24-3 | Decachlorobiphenyl | 101% | | 30-143% |
| 2051-24-3 | Decachlorobiphenyl | 92% | | 30-143% |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@72868 10:57 20-Apr-2007

# Report of Analysis



**Client Sample ID:** MW-1
**Lab Sample ID:** M63867-1 **Date Sampled:** 04/05/07
**Matrix:** AQ - Ground Water **Date Received:** 04/05/07
**Method:** SW846-8015 SW846 3510C **Percent Solids:** n/a
**Project:** HESS:946 Washington, 144/150 Mendon Rd. Attleboro MA

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | GH49268.D | 1 | 04/12/07 | DG | 04/11/07 | OP13328 | GGH3552 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 900 ml | 1.0 ml |
| Run #2 | | |

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (Semi-VOA) | 0.457 | 0.22 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 3386-33-2 | 1-Chlorooctadecane | 92% | | 37-140% |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | M63867-1 | **Date Sampled:** | 04/05/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/05/07 |
| | | **Percent Solids:** | n/a |
| **Project:** | HESS:946 Washington, 144/150 Mendon Rd. Attleboro MA | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 04/06/07 | 04/09/07 | PY | SW846 6010B [1] | SW846 3010A [3] |
| Arsenic | 37.0 | 10 | ug/l | 1 | 04/06/07 | 04/09/07 | PY | SW846 6010B [1] | SW846 3010A [3] |
| Cadmium | < 4.0 | 4.0 | ug/l | 1 | 04/06/07 | 04/09/07 | PY | SW846 6010B [1] | SW846 3010A [3] |
| Chromium | 235 | 10 | ug/l | 1 | 04/06/07 | 04/09/07 | PY | SW846 6010B [1] | SW846 3010A [3] |
| Copper | 373 | 25 | ug/l | 1 | 04/06/07 | 04/09/07 | PY | SW846 6010B [1] | SW846 3010A [3] |
| Iron | 212000 | 100 | ug/l | 1 | 04/06/07 | 04/09/07 | PY | SW846 6010B [1] | SW846 3010A [3] |
| Lead | 526 | 5.0 | ug/l | 1 | 04/06/07 | 04/09/07 | PY | SW846 6010B [1] | SW846 3010A [3] |
| Mercury | 1.5 | 0.20 | ug/l | 1 | 04/10/07 | 04/11/07 | MA | SW846 7470A [2] | SW846 7470A [4] |
| Nickel | 158 | 40 | ug/l | 1 | 04/06/07 | 04/09/07 | PY | SW846 6010B [1] | SW846 3010A [3] |
| Selenium | < 10 | 10 | ug/l | 1 | 04/06/07 | 04/09/07 | PY | SW846 6010B [1] | SW846 3010A [3] |
| Silver | < 5.0 | 5.0 | ug/l | 1 | 04/06/07 | 04/09/07 | PY | SW846 6010B [1] | SW846 3010A [3] |
| Zinc | 1030 | 20 | ug/l | 1 | 04/06/07 | 04/09/07 | PY | SW846 6010B [1] | SW846 3010A [3] |

(1) Instrument QC Batch: MA7979
(2) Instrument QC Batch: MA7983
(3) Prep QC Batch: MP10139
(4) Prep QC Batch: MP10157

RL = Reporting Limit

Accutest LabLink@72868 10:57 20-Apr-2007

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | M63867-1 | **Date Sampled:** | 04/05/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/05/07 |
| | | **Percent Solids:** | n/a |
| **Project:** | HESS:946 Washington, 144/150 Mendon Rd. Attleboro MA | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| Chromium, Hexavalent | < 0.010 | 0.010 | mg/l | 1 | 04/05/07 18:05 | MA | SW846 7196A |
| Cyanide | < 0.010 | 0.010 | mg/l | 1 | 04/10/07 11:22 | MA | EPA 335.3 |
| Solids, Total Suspended | 14900 | 40 | mg/l | 10 | 04/10/07 | BF | EPA 160.2 |
| Total Residual Chlorine | < 0.050 | 0.050 | mg/l | 1 | 04/05/07 16:10 | NJ | EPA 330.4 |

RL = Reporting Limit

## Misc. Forms

# Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

# CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: M63867
ACCUTEST QUOTE #:

**CLIENT INFORMATION**

NAME: EnviroTrac Ltd.
ADDRESS: 1400 Providence Hwy / Suite 2100
CITY: Norwood STATE: MA ZIP: 02062
SEND REPORT TO: Sean Kennedy
PHONE #: 781769-5005

**FACILITY INFORMATION**

PROJECT NAME: 946 Washington, 144/150 Meridian Rd.
LOCATION: Attleboro, MA
PROJECT NO.:
FAX #: 781-769-9345

**ANALYTICAL INFORMATION**

TSS/TRC; CN; 8021 Aromatics/Phenols; TPH DRO; PCBs; TPH GRO; EDB; Hex Chromium; Metals (Cu, Zn, Fe, Ni)

**MATRIX CODES**

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

| ACCUTEST SAMPLE # | FIELD ID / POINT OF COLLECTION | COLLECTION DATE | COLLECTION TIME | SAMPLED BY: | MATRIX | # OF BOTTLES | PRESERVATION HCl | HONH | HNO3 | H2SO4 | NONE | MeOH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | MW-1 | 4/5/07 | 1200 | SPK | GO | 12 | X | XX | | | X | X |

**DATA TURNAROUND INFORMATION**

- [X] 14 DAYS STANDARD — APPROVED BY:
- [ ] 7 DAYS *RUSH*
- [ ] 48 HOUR EMERGENCY
- [ ] OTHER

14 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

**DATA DELIVERABLE INFORMATION**

- [X] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY)

**COMMENTS/REMARKS**

5F, 12C, 3D5, 13B

**SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY**

| RELINQUISHED BY SAMPLER: | DATE TIME: | RECEIVED BY: | RELINQUISHED BY: | DATE TIME: | RECEIVED BY: |
|---|---|---|---|---|---|
| | 4/5/07 1345 | 1. Kevin Sweeney | 2. | | 2. |
| RELINQUISHED BY: 3. | DATE TIME: | RECEIVED BY: 3. | RELINQUISHED BY: 4. | DATE TIME: | RECEIVED BY: 4. |
| RELINQUISHED BY: 5. | DATE TIME: | RECEIVED BY: 5. | SEAL # | PRESERVE WHERE APPLICABLE ☑ | ON ICE ☑ TEMPERATURE 2.5 C |

**M63867: Chain of Custody**
**Page 1 of 5**

**Subject:** RE: Additional metal analyses required - 946 Washington St-144/150 Mendon Rd, Attleboro...

Sean,

This is ok w ecan do with the 500 ml the additional metals.

is this a Hess project?

Thanks,

Reza

---

**From:** Sean Kennedy [mailto:seank@envirotrac.com]
**Sent:** Thursday, April 05, 2007 3:22 PM
**To:** Reza Tand
**Subject:** Additional metal analyses required - 946 Washington St-144/150 Mendon Rd, Attleboro...
**Importance:** High

Reza,

I dropped off the hexavalent chromium sample earlier today (along with others). There was a total metals analysis requested consisting of Sb, Cu, Zn, Fe, and Ni in a plastic 500 mL bottle preserved with HNO3. I also need the following total metals analyzed along with the five I requested on the chain. They are: As, Cd, Cr, Pb, Hg, Se, and Ag. Is the 500 mL sample enough to run the extra metals? Please let me know as soon as you can. If you are confused about the above, please give me a call.

Thank you,

Sean P. Kennedy, P.G.

Project Manager

**EnviroTrac Ltd.**

1400 Providence Highway, Suite 2100

Norwood, MA 02062

P: 781.769.5005 F: 781-769-9345

Email: seank@envirotrac.com

## Betty Baer

**From:** Reza Tand
**Sent:** Thursday, April 05, 2007 3:37 PM
**To:** Betty Baer
**Subject:** FW: Additional metal analyses required - 946 Washington St-144/150 Mendon Rd, Attleboro...

FYI

---

**From:** Sean Kennedy [mailto:seank@envirotrac.com]
**Sent:** Thursday, April 05, 2007 3:35 PM
**To:** Reza Tand
**Subject:** RE: Additional metal analyses required - 946 Washington St-144/150 Mendon Rd, Attleboro...

Yes, bill Mike Matri at Hess direct. Reference MA020 (no station # available yet).

---

**From:** Reza Tand [mailto:rezat@accutest.com]
**Sent:** Thursday, April 05, 2007 3:30 PM
**To:** Sean Kennedy
**Subject:** RE: Additional metal analyses required - 946 Washington St-144/150 Mendon Rd, Attleboro...

ok, are we billing HESS ?what is the station #?

Reza

---

**From:** Sean Kennedy [mailto:seank@envirotrac.com]
**Sent:** Thursday, April 05, 2007 3:29 PM
**To:** Reza Tand
**Subject:** RE: Additional metal analyses required - 946 Washington St-144/150 Mendon Rd, Attleboro...

This is a Hess Real Estate site. Sorry for the confusion and thank you for the quick response.

Sean

---

**From:** Reza Tand [mailto:rezat@accutest.com]
**Sent:** Thursday, April 05, 2007 3:28 PM
**To:** Sean Kennedy

## Betty Baer

**From:** Sean Kennedy [seank@envirotrac.com]
**Sent:** Thursday, April 05, 2007 5:28 PM
**To:** Betty Baer
**Subject:** RE: Hess Attleboro (M63867)

Betty,

Sorry about that – please do not run the trip blank.

Sean

---

**From:** Betty Baer [mailto:bettyb@accutest.com]
**Sent:** Thursday, April 05, 2007 5:26 PM
**To:** Sean Kennedy
**Subject:** Hess Attleboro (M63867)

We received a Chain for this site 4/5/07, a Trip Blank for EDB analysis was received but not listed on Chain. Do you want us to run this. Please get back to me.

Betty

***Betty Baer***
***Accutest Laboratories***
***495 Technology Center West, Building #1***
***Marlboro, MA 01752***
***Phone (508) 481- 6200***
***Fax (508) 481-7753***

*Accutest -- "50 Years of Excellence" -- 1956-2006*

ACCUTEST Laboratories

Issue Date: 4/5/07

# Sample Problem Notice

To: Client Services
From: Sample Management

Initials: B

Client: Envirotrac Project: _____ Job # M63867

Problem:

- ☐ Trip Blank Not Received
- ☐ Temperature Criteria (2-6 C) Not Met
  - ☐ Ice present ☐ No Ice Present ☐ Frozen
- ☐ Sample Received Out of Holding Time
- ☐ Sample Received Broken
- ☐ Insufficient Volume For Analysis
- ☐ Sample Received Improperly Preserved
- ☐ Times on Chain of Custody Don't Match Label
- ☐ ID's on Chain Of Custody Do Not Match Label
- ☐ Analysis Requested is Unclear or Missing
- ☐ VOC Vials Have Headspace (Macro-bubbles)
- ☑ Bottles Received but analysis Not Requested on Chain of Custody
- ☐ No Bottles Received For Analyses Requested
- ☐ Unclear Filtering Instructions
- ☐ Unclear Compositing Instructions
- ☐ % Solids Jar Not Received
- ☐ No Chain of Custody Received
- ☐ Sample Dates or Times Unclear or Missing

Description of Problem:

(-2) 2-40ml voas with sodium thiosulfate received as a trip blank for EDB not listed on C.O.C.

QA147-01 (7/20/06)

**ATTACHMENT D**

**Index by State and City**
National Register Information System 03/27/2007 13:28:51

**No filter** Include filter in navigation

| Row | STATE | COUNTY | RESOURCE NAME | ADDRESS | CITY | LISTED | MULTIPLE |
|---|---|---|---|---|---|---|---|
| 1 | MA | Bristol | **Blackinton Houses and Park** | N. Main St. | Attleboro | 1979-04-20 | |
| 2 | MA | Bristol | **Capron House** | 42 North Ave. | Attleboro | 1978-07-21 | |
| 3 | MA | Bristol | **East Attleborough Academy** | 28 Sanford St. | Attleboro | 1985-04-04 | |
| 4 | MA | Bristol | **First Parsonage for Second East Parish Church** | 41 S. Main St. | Attleboro | 1980-04-02 | |
| 5 | MA | Bristol | **Hebronville Mill Historic District** | Knight Ave., Read and Phillip Sts. | Attleboro | 1984-05-17 | |
| 6 | MA | Bristol | **Makepeace, D. E., Company** | 46 Pine St. | Attleboro | 1985-07-18 | |
| 7 | MA | Bristol | **Northbound and Southbound Stations** | 1 and 3 Mill St. | Attleboro | 1989-01-05 | |
| 8 | MA | Bristol | **Robinson, Capt. Joel, House** | 111 Rocklawn Ave. | Attleboro | 1978-11-20 | |
| 9 | MA | Bristol | **Sadler, Herbert A., House** | 574 Newport Ave. | Attleboro | 1982-10-21 | |
| 10 | MA | Bristol | **US Post Office--Attleboro Main** | 75 Park St. | Attleboro | 1987-10-19 | |

Page 1

**No filter** Include filter in navigation ☐

| *Row* | STATE | COUNTY | RESOURCE NAME | ADDRESS | CITY | LISTED | MULTIPLE |
|---|---|---|---|---|---|---|---|
| *1* | RI | Providence | **Central Falls Congregational Church** | 376 High St. | Central Falls | 1976-07-12 | Central Falls MRA (AD) |
| *2* | RI | Providence | **Central Falls Mill Historic District** | Between Roosevelt Avenue and Blackstone River | Central Falls | 1976-07-02 | Central Falls MRA |
| *3* | RI | Providence | **Central Street School** | 379 Central St. | Central Falls | 1979-04-06 | Central Falls MRA |
| *4* | RI | Providence | **Conant, Samuel B., House** | 104 Clay St. | Central Falls | 1979-04-06 | Central Falls MRA |
| *5* | RI | Providence | **Fales, David G., House** | 476 High St. | Central Falls | 1979-04-06 | Central Falls MRA |
| *6* | RI | Providence | **Greene, Benjamin F., House** | 85 Cross St. | Central Falls | 1979-04-06 | Central Falls MRA |
| *7* | RI | Providence | **Holy Trinity Church Complex** | 134 Fuller Ave. | Central Falls | 1978-01-03 | Central Falls MRA (AD) |
| *8* | RI | Providence | **Jenks Park & Cogswell Tower** | Adjoining 580 Broad St. | Central Falls | 1979-04-06 | Central Falls MRA (AD) |
| *9* | RI | Providence | **South Central Falls Historic District** | Roughly bounded by Central Falls--Pawtucket boundary, Rand, Summit, Dexter and Broad Sts. | Central Falls | 1991-01-31 | Central Falls MRA |
| *10* | RI | Providence | **St. Matthew's Church** | Dexter & W. Hunt Sts. | Central Falls | 1979-04-06 | Central Falls MRA |



**No filter** Include filter in navigation ☐

| *Row* | STATE | COUNTY | RESOURCE NAME | ADDRESS | CITY | LISTED | MULTIPLE |
|---|---|---|---|---|---|---|---|
| *1* | RI | Providence | **Arnold Mills Historic District** | E of Cumberland Hill at Sneech Pond, Attleboro, and Abbott Run Valley Rds. | Cumberland | 1978-12-28 | |
| *2* | RI | Providence | **Ashton Historic District** | Roughly Mendon, Scott, and Old Angell Rds., Store Hill Rd., Front and Middle Sts. | Cumberland | 1984-11-01 | |
| *3* | RI | Providence | **Burlingame--Noon House** | 3261 Mendon Rd. | Cumberland | 1974-02-15 | |
| *4* | RI | Providence | **Cole, John, Farm** | E of Manville on Reservoir Rd. | Cumberland | 1977-08-16 | |
| *5* | RI | Providence | **Furnace Carolina Site** | Address Restricted | Cumberland | 1993-05-10 | |
| *6* | RI | Providence | **Jillson, Luke, House** | 2510 Mendon Rd. | Cumberland | 1982-08-12 | |
| *7* | RI | Providence | **St. Joseph's Church Complex** | 1303–1317 Mendon Rd. | Cumberland | 1982-08-12 | |
| *8* | RI | Providence | **Tower, Lewis, House** | 2199 Mendon Rd. | Cumberland | 1982-08-30 | |
| *9* | RI | Providence | **Tower--Flagg Barn Complex** | 100 Abbott Run Valley Rd. | Cumberland | 1998-05-20 | |
| *10* | RI | Providence | **Whipple--Jenckes House** | 2500 Diamond Hill Rd. | Cumberland | 1992-11-05 | |

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**No filter** Include filter in navigation ☐

| *Row* | STATE | COUNTY | RESOURCE NAME | ADDRESS | CITY | LISTED | MULTIPLE |
|---|---|---|---|---|---|---|---|
| *1* | RI | Providence | **Adams, John E., House** | 11 Allen Ave. | Pawtucket | 1983-11-18 | Pawtucket MRA |
| *2* | RI | Providence | **Art's Auto** | 5--7 Lonsdale Ave. | Pawtucket | 1978-12-15 | |
| *3* | RI | Providence | **Bridge Mill Power Plant** | 25 Roosevelt Ave. | Pawtucket | 1983-11-18 | Pawtucket MRA |
| *4* | RI | Providence | **Burnham, G.A., House** | 17 Nickerson St. | Pawtucket | 1983-11-18 | Pawtucket MRA |
| *5* | RI | Providence | **Childs--Brown House** | 172 Pine St. | Pawtucket | 1983-11-18 | Pawtucket MRA |
| *6* | RI | Providence | **Church Hill Industrial District** | Roughly bounded by S. Union, Pine, Baley, Commerce, Main, and Hill Sts. | Pawtucket | 1982-08-12 | |
| *7* | RI | Providence | **Collyer Monument** | Mineral Spring Park | Pawtucket | 1983-11-18 | Pawtucket MRA |
| *8* | RI | Providence | **Conant Thread--Coats & Clark Mill Complex District** | Roughly bounded by Lonsdale Ave., Pine, Conant, Carpenter, and Rand Sts. | Pawtucket | 1983-11-18 | Pawtucket MRA |
| *9* | RI | Providence | **Crandall, Lorenzo, House** | 221 High St. | Pawtucket | 1984-12-10 | |
| *10* | RI | Providence | **Division Street Bridge** | Division St. at Seekonk River | Pawtucket | 1983-11-18 | Pawtucket MRA |

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# Massachusetts Cultural Resource Information System
# MACRIS

## Macris Search Results

Search Criteria: Towns: Attleboro
Place: South Attleboro
ResourceType: Area, Burial Ground, Building, Object, Structure

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| ATT.532 | | 102 Sycamore Ave | Attleboro | 1915 |
| ATT.490 | | 368 Newport Ave | Attleboro | 1905 |
| ATT.523 | | 25 Newport Ave | Attleboro | 1895 |
| ATT.534 | | 73 Gardner Ave | Attleboro | 1905 |
| ATT.545 | | 58 Turner St | Attleboro | 1905 |
| ATT.525 | | 20 Park Pl | Attleboro | 1915 |
| ATT.536 | | 148 Hackett Ave | Attleboro | 1912 |
| ATT.527 | | 386 Washington St | Attleboro | 1755 |
| ATT.518 | | 336 Read St | Attleboro | 1718 |
| ATT.540 | | 44 West Carpenter St | Attleboro | 1915 |
| ATT.544 | | 41 Turner St | Attleboro | 1925 |
| ATT.535 | | 85 Laurier Ave | Attleboro | 1925 |
| ATT.515 | | 782 Newport Ave | Attleboro | 1820 |
| ATT.541 | | 45 West Carpenter St | Attleboro | 1915 |
| ATT.580 | | 87 Laurier Ave | Attleboro | 1925 |
| ATT.915 | Attlboro Soldiers' Monument | County St | Attleboro | 1903 |
| ATT.520 | Attleboro District Schoolhouse #10 | 510 Read St | Attleboro | 1810 |
| ATT.510 | Attleboro District Schoolhouse #17 | Roy Ave | Attleboro | 1846 |
| ATT.502 | Attleboro Hose Company #4 Fire Station | 532 Newport Ave | Attleboro | 1920 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| ATT.484 | Attleboro Main Pumping Station | West St | Attleboro | 1892 |
| ATT.538 | Attleboro Old Toll House | 181 Mendon Rd | Attleboro | 1732 |
| ATT.916 | Attleboro Revolutionary War Monument | County St | Attleboro | 1912 |
| ATT.917 | Attleboro Spanish - American War Monument | County St | Attleboro | 1930 |
| ATT.919 | Attleboro Vietnam Memorial | County St | Attleboro | 1968 |
| ATT.480 | Bellon, Albert House | 964 West St | Attleboro | 1914 |
| ATT.533 | Brown, Elisha House | 81 Brown St | Attleboro | 1780 |
| ATT.489 | Bruce, John House | 352 Newport Ave | Attleboro | 1875 |
| ATT.947 | Capron Park | County St | Attleboro | 1901 |
| ATT.U | Capron Park | | Attleboro | |
| ATT.965 | Capron Park - Anderson, Edward L. Rose Garden | County St | Attleboro | 1955 |
| ATT.961 | Capron Park - Capron, Harford A. Zoo | County St | Attleboro | 1937 |
| ATT.411 | Capron Park - Casino - Refreshment Stand | County St | Attleboro | 1902 |
| ATT.964 | Capron Park - Grand Army Avenue | County St | Attleboro | 1923 |
| ATT.960 | Capron Park - Lily Pond Fountain | County St | Attleboro | 1935 |
| ATT.922 | Capron Park - Newell Shelter | County St | Attleboro | 1911 |
| ATT.966 | Capron Park - O'Connell Memorial Baseball Field | County St | Attleboro | 1958 |
| ATT.967 | Capron Park - O'Connell, Dan Memorial Plaque | County St | Attleboro | 1958 |
| ATT.591 | Capron Park - Stone Memorial Tropical Rainforest | County St | Attleboro | 1963 |
| ATT.973 | Capron Park - Sweet, Frank R. Memorial Forest | County St | Attleboro | 1953 |
| ATT.962 | Capron Park - Tropical Rainforest Animal Fountain | County St | Attleboro | 1890 |
| ATT.959 | Capron Park - Wading Pool | County St | Attleboro | 1916 |
| ATT.958 | Capron Park - Wolfenden Fountain | County St | Attleboro | 1910 |
| ATT.963 | Capron Park - World War I Veterans Memorial Avenue | County St | Attleboro | 1919 |
| ATT.920 | Capron Park Bandstand | County St | Attleboro | 1908 |
| ATT.590 | Capron Park Bath House | County St | Attleboro | 1916 |
| ATT.921 | Capron Park Memorial Gateway | County St | Attleboro | 1937 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| ATT.972 | Capron Park Rock Garden | County St | Attleboro | 1931 |
| ATT.593 | Carpon, Harford A. Park Zoo Building | County St | Attleboro | 1937 |
| ATT.509 | Cotton's Grocery Store | 609 Newport Ave | Attleboro | 1905 |
| ATT.501 | Coupe, William and Company Tannery Worker Housing | 478 Newport Ave | Attleboro | 1865 |
| ATT.572 | Coupe, William and Company Tannery Worker Housing | 490 Newport Ave | Attleboro | 1865 |
| ATT.574 | Coupe, William and Company Tannery Worker Housing | 496 Newport Ave | Attleboro | 1865 |
| ATT.571 | Coupe, William and Company Tannery Worker Housing | 482 Newport Ave | Attleboro | 1865 |
| ATT.573 | Coupe, William and Company Tannery Worker Housing | 494 Newport Ave | Attleboro | 1865 |
| ATT.543 | Crown Manufacturing Company - Building #1 | 192 Turner St | Attleboro | 1911 |
| ATT.529 | Delany, Lyons F. H. House | 205 Highland Ave | Attleboro | 1909 |
| ATT.494 | Draper, George L. - Tiffany, E. P. House | 400 Newport Ave | Attleboro | 1865 |
| ATT.482 | Field, J. - Looby, P. House | 1419 West St | Attleboro | 1760 |
| ATT.488 | Fox, Michael E. House | 1544 West St | Attleboro | 1906 |
| ATT.526 | Fuller Memorial Hospital | 231 Washington St | Attleboro | 1937 |
| ATT.925 | Garland - Muccio Square Monument Memorial Stone | Read St | Attleboro | 1955 |
| ATT.500 | Guild, Ebenezer House | 464 Newport Ave | Attleboro | 1795 |
| ATT.542 | H. and B. American Machine Company Building | Turner St | Attleboro | 1895 |
| ATT.521 | Hunt, Edward W. House | 535 Read St | Attleboro | 1785 |
| ATT.522 | Ide, Jacob House | 636 Read St | Attleboro | 1825 |
| ATT.479 | Ide, John and Amos House | 865 West St | Attleboro | 1750 |
| ATT.508 | Jillson, Clementine M. House | 595-597 Newport Ave | Attleboro | 1870 |
| ATT.513 | Johnson, Hiram M. House | 660 Newport Ave | Attleboro | 1905 |
| ATT.528 | Jones, Fred W. House | 100 Highland Ave | Attleboro | 1904 |
| ATT.516 | Lincoln School | Washington St | Attleboro | 1926 |
| ATT.531 | Monast, Louis House | 353 Highland Ave | Attleboro | 1915 |
| ATT.801 | Newell Cemetery | West St | Attleboro | 1715 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| ATT.E | Newport Avenue Area | | Attleboro | |
| ATT.T | Newport Avenue Streetscape | | Attleboro | |
| ATT.514 | Orr, Caleb A. House | 754 Newport Ave | Attleboro | 1855 |
| ATT.492 | Orr, George W. House | 376 Newport Ave | Attleboro | 1905 |
| ATT.485 | Orr, James Bleachery and Dye House | 1476 West St | Attleboro | 1827 |
| ATT.487 | Orr, James House | 1536 West St | Attleboro | 1895 |
| ATT.491 | Orr, James House | 369 Newport Ave | Attleboro | 1875 |
| ATT.486 | Orr, James House | 1526 West St | Attleboro | 1897 |
| ATT.517 | Read House | 334 Read St | Attleboro | 1818 |
| ATT.519 | Richardson, W. C. House | 432 Read St | Attleboro | 1855 |
| ATT.498 | Richaud, Joseph House | 458 Newport Ave | Attleboro | 1794 |
| ATT.524 | Robinson, Ashabel H. House | 135 Cumberland Ave | Attleboro | 1820 |
| ATT.481 | Robinson, Capt. Joel House | 111 Rocklawn Ave | Attleboro | 1790 |
| ATT.497 | Robinson, Lewis F. House | 434 Newport Ave | Attleboro | 1855 |
| ATT.512 | Roy, Narcisse House | 646 Newport Ave | Attleboro | 1875 |
| ATT.576 | Sadler Brothers Jewelry Company Worker Housing | 579 Newport Ave | Attleboro | 1895 |
| ATT.504 | Sadler Brothers Jewelry Company Worker Housing | 550 Newport Ave | Attleboro | 1910 |
| ATT.506 | Sadler Brothers Jewelry Company Worker Housing | 569 Newport Ave | Attleboro | 1895 |
| ATT.575 | Sadler Brothers Jewelry Company Worker Housing | 558 Newport Ave | Attleboro | 1910 |
| ATT.505 | Sadler, George W. House | 553 Newport Ave | Attleboro | 1836 |
| ATT.507 | Sadler, Herbert Austin House | 574 Newport Ave | Attleboro | 1906 |
| ATT.926 | South Attleboro World War II Honor Roll Monument | Newport Ave | Attleboro | 1920 |
| ATT.511 | Stanley House | 637 Newport Ave | Attleboro | 1726 |
| ATT.918 | Sweet, Frank Royden Memorial Forest Monument | County St | Attleboro | 1958 |
| ATT.530 | Tingley, Eugene A. House | 212 Highland Ave | Attleboro | 1912 |
| ATT.493 | Tingley, Thomas House | 389 Newport Ave | Attleboro | 1723 |
| ATT.537 | Washington School | Washington St | Attleboro | 1909 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| ATT.954 | Washington Street Bridge over Conrail | Washington St | Attleboro | 1937 |
| ATT.499 | Wellman, David House | 461 Newport Ave | Attleboro | 1835 |
| ATT.495 | White, Damon - Coupe, William House | 409-411 Newport Ave | Attleboro | 1829 |
| ATT.503 | White, Damon A. House | 543 Newport Ave | Attleboro | 1905 |
| ATT.496 | Wilbar, Charles A. House | 429-431 Newport Ave | Attleboro | 1855 |
| ATT.539 | Woodworth, Roy C. House | 1 Brettonwoods Dr | Attleboro | 1925 |