

**Waste Management Division  
PO Box 95, 29 Hazen Drive  
Concord, NH 03302**

**Type of Submittal (Check One-Most Applicable)**

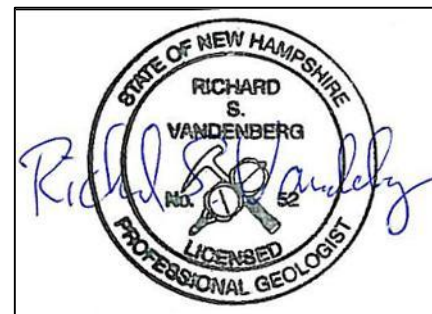
<input type="checkbox"/> Work Scope <input type="checkbox"/> Reimbursement Request	<input type="checkbox"/> Remedial Action <ul style="list-style-type: none"> <li>• Remedial Action Plan</li> <li>• Bid Plans and Specifications</li> <li>• Remedial Action Implementation Report</li> </ul>
<input type="checkbox"/> UST Facility Report <input type="checkbox"/> AST Facility Report	<input type="checkbox"/> Treatment System and POE O&M <input type="checkbox"/> Activity and Use Restriction
<input type="checkbox"/> Emergency/Initial Response Action <input type="checkbox"/> Groundwater Quality Assessment	<input type="checkbox"/> Temporary Surface Water Discharge Permit
<input type="checkbox"/> Initial Site Characterization <input type="checkbox"/> Site Investigation <ul style="list-style-type: none"> <li>• Site Investigation Report</li> <li>• Supplemental Site Investigation Report</li> <li>• GMZ Delineation</li> <li>• Source Area Investigation</li> <li>• Data Submittal</li> <li>• Annual Summary Report</li> </ul> <input checked="" type="checkbox"/> Unsolicited Phase II Environmental Site Assessment <input type="checkbox"/> Closure Documentation	<input type="checkbox"/> Groundwater Management Permit <ul style="list-style-type: none"> <li>• Permit Application</li> <li>• Renewal Application</li> <li>• Deed Recordation Documentation</li> <li>• Abutter Notification Documentation</li> <li>• Release of Recordation</li> </ul> <input type="checkbox"/> Data Submittal <input type="checkbox"/> Annual Summary Report

**PHASE II ENVIRONMENTAL SITE ASSESSMENT**

Ernie's Auto Sales Property  
180 East Main Street  
Tilton, New Hampshire  
DES#199311019

Prepared For:  
Lakes Region Planning Commission  
103 Main Street, Suite #3  
Meredith, NH 03253  
Phone: (603) 279-8171  
Contact: Mr. Kimon Koulet

Prepared By:  
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776 Main Street  
Westbrook, ME 04902  
Phone: (207) 828-1272 ext. 35  
Contact: Rip Patten, PE



June 2, 2011

**Recommended Risk Category (check one)**

<input type="checkbox"/> 1. Immediate Human Health Risk (Impacted water supply well, etc.)	<input type="checkbox"/> 4. Surface Water Impact	<input checked="" type="checkbox"/> 7. Alternate Water Available/Low Level Groundwater Contamination (<1,000 X AGQS)
<input type="checkbox"/> 2. Potential Human Health Risk (Water supply well within 1,000' or Site within SWPA)	<input type="checkbox"/> 5. No Alternate Water Available/No Existing Wells in Area	<input type="checkbox"/> 8. No AGQS Violation/No Source Remaining
<input type="checkbox"/> 3. Free Product or Source Hazard	<input type="checkbox"/> 6. Alternate Water Available/High Level Groundwater Contamination (>1,000 X AGQS)	<input type="checkbox"/> Closure Recommended

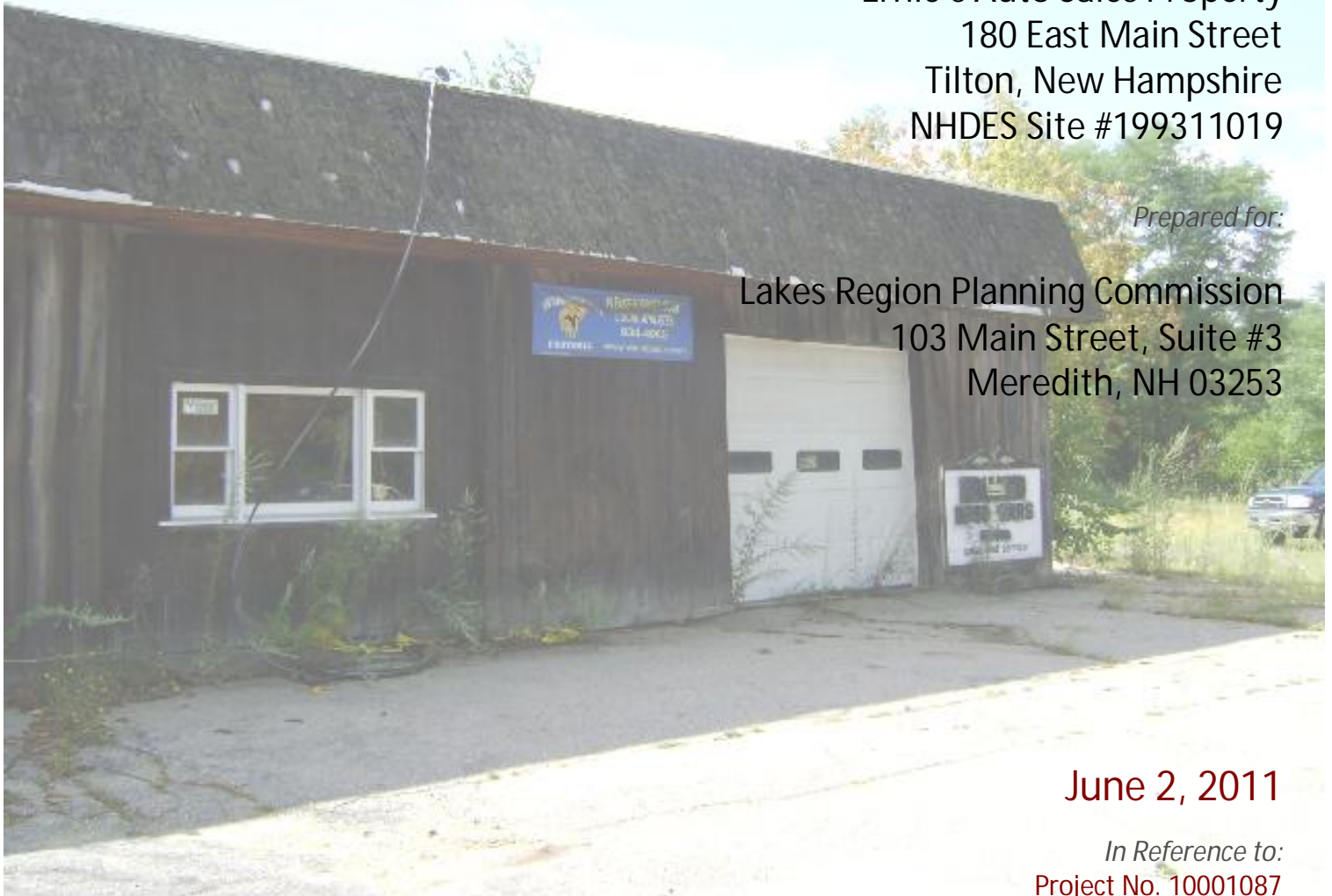


## Phase II Environmental Site Assessment

Ernie's Auto Sales Property  
180 East Main Street  
Tilton, New Hampshire  
NHDES Site #199311019

*Prepared for:*

Lakes Region Planning Commission  
103 Main Street, Suite #3  
Meredith, NH 03253



**June 2, 2011**

*In Reference to:*  
Project No. 10001087

*Submitted by:*  
Credera Associates, LLC  
776 Main Street  
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# CREDERE ASSOCIATES, LLC

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June 2, 2011

Mr. Kimon Koulet, Executive Director  
Lakes Region Planning Commission  
103 Main Street, Suite #3  
Meredith, NH 03253

**Subject: Phase II Environmental Site Assessment  
Ernie's Auto Sales Property  
180 East Main Street, Tilton, NH**

Dear Mr. Koulet:

Attached is the Phase II Environmental Site Assessment for the Ernie's Auto Sales property located at 180 East Main Street in Tilton, NH. Sections 11 and 12 of this report present our conclusions and recommendations regarding the subject property. Copies of this report have been forwarded to the New Hampshire Department of Environmental Services (NHDES), the U.S. Environmental Protection Agency (EPA), and the Town of Tilton.

Please do not hesitate to contact us at (207) 828-1272 ext. 21 if you have any questions, comments, or require additional information regarding this investigation.

Very truly,

CREDERE ASSOCIATES, LLC

Silas Canavan, EI  
Civil/Environmental Engineer

cc: Joyce Fulweiler, Town of Tilton  
Jennifer Marts, NHDES  
Jerry Minor-Gordon, EPA



**PHASE II ENVIRONMENTAL SITE ASSESSMENT  
ERNIE'S AUTO SALES  
TILTON, NH**

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## EXECUTIVE SUMMARY

Crede Associates, LLC (Crede) conducted a Phase II Environmental Site Assessment (ESA) at the Ernie's Auto Sales property located at 180 East Main Street in Tilton, New Hampshire (the subject property) in general conformance with the American Society of Testing Materials (ASTM) Guidance for Phase II ESAs E 1903-97 (reapproved 2002). Phase II ESA activities were performed to confirm or dismiss recognized environmental conditions (RECs) and other non-scope environmental concerns (NECs) identified during the previous Phase I ESA.

The Phase II ESA work included: performing a ground penetrating radar (GPR) survey to locate potential subsurface structures, conducting lead-based paint and asbestos surveys of the two subject property buildings, and collecting surficial soil, subsurface soil, and groundwater samples to assess potential impacts from historical subject property use.

Based on the findings of this work, Crede's conclusions include the following:

- REC-1, which is associated with the former use of the subject property as a gas station, past distribution, and past and present bulk storage of petroleum products, is dismissed because no evidence of a release of petroleum in the distribution area or from the past and present bulk storage containers was observed based on the collected laboratory analytical data.
- REC-2, which is associated with the documented historical release from the gasoline and waste oil underground storage tanks (USTs), is dismissed because no evidence of soil or groundwater contamination was observed in the laboratory analytical data for the samples collected in the vicinity of the USTs.
- REC-3, which is associated with the former use of the subject property as an auto repair facility, cannot be confirmed or dismissed from the data collected because it is not clear if metals detected exceeding both the New Hampshire Department of Environmental Services (NHDES) Soil Remediation Standards (SRS) and Ambient Groundwater Quality Standards (AGQS) are related to prior activities at the subject property or conversely associated with an area wide background condition. The identified metals impacted soils and groundwater still represent a potential health risk that requires proper management.
- REC-4, which is associated with the floor drain observed in the garage, has been dismissed because results of the GPR survey indicated that the floor drain was connected to the municipal sewer system; therefore, a pathway to environment is unlikely.
- REC-5, which is associated with the suspected dump and fill area observed along the southern portion of the subject property, has been dismissed. A faint anomaly observed during the GPR survey was determined to be the result of a cluster of asphalt which was confirmed through the hand excavation of a test pit. No evidence of contamination was



observed in laboratory analytical data for subsurface soil samples collected from the suspected dump and fill areas.

- REC-6, which is associated with the stressed vegetation below the pole mounted electrical transformer, has been dismissed because no polychlorinated biphenyls (PCBs) were detected in surficial soil sample SS-6 which was collected below the transformer.
- NEC-1, which is associated with potential presence of asbestos containing materials (ACMs), has been confirmed because ACMs were identified in both subject property buildings.
- NEC-2, which is associated with the potential presence of lead-based paint in the subject property buildings, has been confirmed because lead-based paint was identified on surfaces in both buildings.
- NEC-3, which is associated with PCB-containing bulk products within the subject property buildings, has been confirmed because PCBs have been identified in bulk products within both buildings. Concentrations of PCBs identified in paint in both buildings (samples BM-2 and BM-4) exceeded 1 part per million (ppm), but were below 50 ppm. Based on observed conditions, these materials have been characterized as excluded PCB products. Though these materials are not regulated for disposal, if removed from use, these products must be disposed at a facility authorized to accept PCB-containing materials at the applicable concentrations. All other bulk products analyzed had total PCB concentrations of less than 1 ppm; therefore, they are unregulated.
- NEC-4, which is associated with the possible presence of mold in the subject property buildings, has not been addressed because it is likely that the buildings will be demolished.
- The presence of polycyclic aromatic hydrocarbons (PAHs) noted in surficial and subsurface soils are attributed to the presence of asphalt, coal, and ash materials that were identified in these samples. As a result, these PAHs meet the NHDES definition of "background" as defined by Env-Or 602.03. It is our interpretation that PAHs identified onsite are not subject to the NHDES SRS [per Env-Or 606.19(f)], but similar to the metals identified in soil they still represent a health risk which should be appropriately managed.

Based on these conclusions, Credere recommends the following tasks be completed for the subject property:

- Regarding the "background" PAH condition, it is recommended that they should be managed under a soil management plan during any future redevelopment of the subject property. The management plan should be devised to eliminate human contact with these soils.



- Additional subsurface soil sampling in the vicinity of soil boring SB-5 is recommended to determine the vertical and horizontal extent of the metals that exceed the NDHES SRS because the soil represents a potential health risk. In addition, we recommend that the soils should be managed in accordance with a soil management plan during any future redevelopment of the subject property.
- Additional groundwater sampling should be completed to monitor the presence of arsenic in groundwater at the subject property. The presence of arsenic at concentrations that exceed the NHDES AGQS at groundwater sample locations MW-2 and MW-5 represents a potential risk which may require mitigation during future redevelopment of the subject property.
- If the buildings are to be renovated or demolished, removal of all identified ACMs should be performed by a licensed asbestos abatement professional in accordance with all applicable state and federal regulations.
- If the buildings are to be renovated or demolished, removal activities and disposal of all identified lead-based paint should be conducted in accordance with the applicable state and federal regulations.
- If the buildings are to be renovated or demolished, the removal of identified excluded PCB products should be conducted by qualified personnel and the selected disposal facility should be licensed to accept these materials in accordance with applicable state regulations.
- If the buildings are to be renovated, a mold survey should be conducted to identify the presence of hazardous molds within the buildings. Conversely, if the buildings are to be razed, demolition activities should be conducted in such a manner as to protect human health from potential mold hazards.



## 1. INTRODUCTION

This report presents the results of a Phase II Environmental Site Assessment (ESA) conducted by Credere Associates, LLC (Credere) at the Ernie's Auto Sales property (the subject property) located at 180 East Main Street in Tilton, New Hampshire as part of the Lakes Region Planning Commission's (LRPC) Brownfields Program. **Figure 1** shows the general location of the subject property in Tilton.

The Phase II ESA was completed in general conformance with the American Society of Testing Materials (ASTM) Standard Guide E 1903-97 (reapproved 2002) Phase II Site Assessment Process. The field program used during this Phase II ESA was completed in accordance with the U.S. Environmental Protection Agency (USEPA) approved Site-Specific Quality Assurance Project Plan (SSQAPP) Addendum No. 11. The SSQAPP is an addendum to the previously approved June 2008 New Hampshire Generic QAPP RFA #08166 and #09036, which was prepared for all of Credere's USEPA work in New Hampshire, and is included in **Appendix A**. Photographs taken during the completion of this Phase II ESA are included in **Appendix B**.



## 2. PROJECT BACKGROUND

### 2.1 SUBJECT PROPERTY DESCRIPTION

The subject property is composed of one 0.8-acre parcel of land located at 180 East Main Street in Tilton, New Hampshire and is situated adjacent to the Winnepesaukee River. The subject property is currently occupied by a garage building and a cottage that are vacant and in a state of disrepair. Both buildings were constructed prior to 1951, but the exact dates of construction are not known. The subject property is currently owned by the Anthony Turchin Estate. Although exact dates were not determined, the subject property was formerly operated as gas station from approximately 1939 until the 1970s. An automobile body shop, used automobile repair shop, automobile salvage yard, used automotive sales, and a U-Haul truck rental business have also reportedly occupied the subject property.

### 2.2 SUMMARY OF PHASE I ESA WORK

A Phase I ESA was completed by Credere for the Ernie's Auto Sales property in November 2010. The Phase I ESA was completed in accordance with ASTM Standard Practice E 1527-05. The following represents the findings and recommendations from this report.

Based on the information obtained as a part of the Phase I ESA, the following recognized environmental conditions (RECs) were identified at the subject property:

- REC-1 – The former use of the subject property as a gas station between 1939 and the 1970s, past distribution, and past and present bulk storage of petroleum products (including a 275-gallon aboveground storage tank (AST) and a 55-gallon drum) may have resulted in releases of petroleum which may have impacted the environmental conditions of the subject property.
- REC-2 – A release of petroleum was discovered on September 16, 1993, during the closure of two (2) 3,000-gallon and one (1) 4,000-gallon gasoline underground storage tanks (USTs) and one (1) 2,000-gallon waste oil UST. Though this release is considered by the New Hampshire Department of Environmental Services (NHDES) to be closed, the release represents a REC as impacted soil and/or groundwater may remain at the subject property.
- REC-3 – The former use of the subject property as an auto repair facility between the approximate dates of 1939 and 1978 represents a REC because hazardous materials and petroleum products were likely stored, used, and may have been disposed of on the subject property and may have impacted the environmental conditions of the subject property.
- REC-4 – The floor drain observed within the garage bay with an unknown discharge point represents a REC because the drain is a potential conduit to the environment whereby releases of petroleum products and hazardous substances from former activities may have impacted the environmental conditions at the subject property.
- REC-5 – A suspected dump and fill area was observed along the southern portion of the subject property including items such as, but not limited to, urban fill, automobile parts, and utility pole sections. Petroleum products and/or hazardous substances associated with these

materials may have been released and impacted the environmental conditions at the subject property.

- REC-6 – Stressed vegetation was observed below a pole mounted electrical transformer located along the northern subject property boundary. This condition represents a REC because it could be indicative of a release of petroleum-based and/or polychlorinated biphenyl (PCB)-containing dielectric fluid that may have impacted the environmental conditions of the subject property.

Additionally, Credere identified three (3) *de minimis environmental conditions* (DMEC) at the subject property.

- DMEC-1 – Oil staining observed on the floor of the cottage represents a DMEC because it is evidence of a release; however, a pathway to the environment was not likely.
- DMEC-2 – Multiple small volume containers (less than 50-gallons each) of oil, gasoline, and automotive lubricants and cleaning materials represent a DMEC because of the poor conditions in which they were stored; however, a pathway to the environment was not likely.
- DMEC-3 – Multiple stains observed on the gravel parking lot represent a DMEC because they are evidence of small petroleum releases which may have impacted surficial soil at the subject property. However, based on observed conditions, it was not likely that these small spills have significantly impacted environmental media at the subject property.

The following four (4) ASTM *Non-Scope environmental conditions* (NECs) were also noted during the Phase I ESA:

- NEC-1 – Based on the age of the subject property buildings, potential asbestos-containing materials (ACMs) may be present on the interior and exterior of the buildings.
- NEC-2 – Based on the age of the subject property buildings, lead-based paint may be present on the interior and exterior of the buildings.
- NEC-3 – Based on the age of the subject property buildings, PCB-containing bulk products may be present on the interior and exterior of the buildings.
- NEC-4 – Based on the condition of the subject property buildings and the collapsed roof of the garage, mold is likely present in the buildings.

### **2.3 POTENTIAL FUTURE SUBJECT PROPERTY USE**

The Winnepesaukee River Trails Association has a purchase and sale agreement to acquire the subject property and develop it into a trail head and parking lot for their riverfront trail system.

### 3. PHASE II SCOPE OF WORK

Credero performed this Phase II ESA to assess the subject property considering the anticipated recreational re-use scenario and the identified environmental conditions noted above. An SSQAPP Addendum was developed that outlined the work to be completed, methodologies to be used, and data quality objectives for the project (see **Appendix A**). The Phase II ESA tasks completed included the following:

1. A ground penetrating radar (GPR) survey of the subject property was conducted to confirm or dismiss the presence of the reported USTs on the subject property, to determine the outlet location of the floor drain in the garage, and to locate other subsurface structures.
2. Six (6) surficial soil samples were collected at specific locations to evaluate the identified RECs. Each sample was field screened with a photoionization detector (PID) and X-ray fluorescent meter (XRF) and submitted for off-site laboratory analysis in accordance with the SSQAPP.
3. Six (6) soil borings were installed to evaluate the identified RECs and determine the nature and extent of fill materials at the subject property. Soil was continuously sampled and screened with a PID and XRF. Based on field screening results, seven (7) subsurface soil samples were selected for off-site laboratory analyses in accordance with the SSQAPP.
4. Five (5) of the soil borings were completed as groundwater monitoring wells (MW-1, MW-2, MW-3, MW-5, and MW-7). Each newly installed monitoring well was sampled and submitted for off-site laboratory analysis in accordance with the SSQAPP to assess potential impacts to groundwater associated with the identified RECs. Each of the monitoring wells was also surveyed in relation to a United States Geological Survey (USGS) datum so that groundwater elevations and flow directions could be calculated.
5. One (1) test pit was excavated by hand to determine the contents of the suspected fill pile in the southeast corner of the subject property. One (1) soil sample was collected, screened with a PID and XRF, and submitted for off-site laboratory analysis in accordance with the SSQAPP.
6. Asbestos and lead-based paint surveys were conducted for the subject property buildings to identify ACMs and surfaces containing lead-based paint.
7. Four (4) potential PCB-containing bulk products were identified within the buildings. One sample of each potential PCB-containing bulk product was collected and submitted for off-site laboratory analysis of PCBs.

Deviations from the SSQAPP Addendum are summarized in **Section 9** of this report.



## 4. PHASE II FIELD ACTIVITIES

This sampling program was developed to investigate soil, groundwater, and building material conditions at the subject property to confirm or dismiss the RECs and NECs identified during the Phase I ESA (see SSQAPP Addendum No. 11 in **Appendix A**). All laboratory analytical samples collected by Credere were submitted to Resource Laboratories of Portsmouth, New Hampshire for analysis. Requirements relative to Chain of Custody, Data Management and Documentation, Data Validation, and Data Usability Assessments contained in the SSQAPP were followed. **Figure 2** shows the approximate locations of the former UST area, the buildings, other pertinent site features, and sample locations.

### 4.1 GROUND PENETRATING RADAR SURVEY

On December 2, 2010, Credere oversaw the GPR survey which was conducted by Dig Smart of Maine, Inc. (Dig Smart) of Scarborough, Maine. A Mala Easy Locator wheeled GPR was used to confirm or dismiss the presence of the reported gasoline USTs on the subject property and to locate other subsurface structures at the subject property. The survey area was traversed in directions parallel to East Main Street, and then again in directions perpendicular to East Main Street. In addition, an RD-8000 electronic locator was used to trace the floor drain in the garage to determine its outlet location.

### 4.2 SURFICIAL SOIL SAMPLING

On December 2 and 6, 2010, Credere collected six (6) surficial soil samples (SS-2 through SS-7) from the subject property to assess surficial soil conditions associated with the identified RECs. Surficial soil sample SS-1 was not collected in the area of the AST because the soil around the tank was covered with concrete (**Figure 2**). See **Section 9** for additional discussion of deviations from the SSQAPP.

Each surficial soil sample was collected from approximately 0 to 2 feet below ground surface (bgs) using hand tools in accordance with standard operating procedures (SOPs) HWRB-11, HWRB-12, HWRB-15, DR#024, DR#025, VOCs/SOIL-200, and Credere-004. Any noted organic debris and/or grass or degraded asphalt was removed from samples prior to placement in laboratory glassware.

Surficial soil samples were collected from the following areas:

- Surficial soil samples SS-2, SS-4, DUP-SS, and SS-7 were collected from locations along the southern and western sides of the subject property in areas of suspected dumping and filling and areas which may have been affected by the former use of the subject property as an automobile repair facility. DUP-SS was a duplicate of sample SS-4. These samples were submitted for laboratory analysis of VOCs, total petroleum hydrocarbons (TPH), RCRA 8 metals, PAHs, and PCBs.

- Surficial soil sample SS-3 was collected from a point located adjacent to an automobile gasoline tank observed in a debris pile next to the garage building. This sample was submitted for laboratory analysis of VOCs and TPH.
- Surficial soil sample SS-5 was collected from the area of the discarded utility poles and truck body on the south side of the subject property. This sample was submitted for laboratory analysis of TPH, RCRA 8 metals, copper, and semi-volatile organic compounds (SVOCs).
- Surficial soil sample SS-6 was collected from the area under the pole-mounted electrical transformer located adjacent to East Main Street. The sample was submitted for laboratory analysis of PCBs.

Each collected soil sample was logged and visual and/or olfactory evidence of contamination was noted. Samples were then field screened for VOCs with a PID calibrated to a 100 parts per million (ppm) isobutylene standard with the instrument response factor set to 1.0 and for RCRA 8 metals with an XRF. Exploration locations and methodologies used are summarized in **Table 1**, PID field screening results are included in **Table 2**, and XRF field screening results are included in **Table 3**.

#### 4.3 SOIL BORING AND SUBSURFACE SOIL SAMPLING

On December 6, 2010, Credere oversaw the advancement of six (6) soil borings (SB-1, SB-2, SB-3, SB-5, SB-6, and SB-7) at the locations depicted on **Figure 2**. Soil boring logs are included in **Appendix C**. Drilling work was performed by T&K Drilling of Troy, New Hampshire using hollow stem augers. Soil borings were completed in accordance with SOPs HWRB-11, HWRB-12, HWRB-15, DR#024, DR#025, VOCs/SOIL-200, and Credere-004.

Soil borings were advanced in the following areas:

- Soil boring SB-1 was located in the reported area of the former waste oil UST.
- Soil borings SB-2 and SB-7 were located in areas of the subject property where dumping and filling may have occurred.
- Soil boring SB-3 was located in the reported area of the former gasoline dispenser island.
- Soil boring SB-4 was not installed because the garage floor drain was determined to outlet to the municipal sewer system. Therefore, in accordance with the SSQAPP, soil boring SB-5 was located outside of the bay door on the west side of the garage.
- Soil boring SB-6 was located in the reported area of the three (3) former gasoline USTs.

The finished depth of each boring is included on the soil boring logs (see **Appendix C**). Each soil boring was advanced approximately 5 to 7 feet below the groundwater table. During advancement, soil samples were continuously collected using the split spoon soil sampling method. Each soil sample was logged and visual and/or olfactory evidence of contamination was

noted. Each sample was then field screened for VOCs with a PID and for RCRA 8 metals with an XRF.

One sample from each boring was selected for off-site laboratory analysis based on the highest field screening result with a PID, the highest XRF field screening result for RCRA 8 metals, or visual/olfactory evidence of contamination. Where no indicators of contamination were present, the sample collected from a depth corresponding to the groundwater interface zone was submitted for laboratory analysis. Where elevated PID readings and XRF readings were encountered at different levels within one soil boring, the laboratory analyses were split between two samples and the depths at which each sample was collected were noted in the sample ID.

The following subsurface soil samples were collected during drilling:

- Soil sample SB-1 was collected from 9 to 10 feet bgs because elevated VOCs were noted in the sample with the PID. The collected sample was submitted for laboratory analysis of VOCs, TPH, RCRA 8 metals, PAHs, and PCBs.
- Soil sample SB-2 was collected from the groundwater interface zone at 8 to 9.5 feet bgs because no contamination was observed during field screening. Soil sample SB-7 was collected from 8 to 10 feet bgs because elevated VOCs were noted in the sample with the PID. Both collected samples were submitted for laboratory analysis of VOCs, TPH, RCRA 8 metals, PAHs, and PCBs.
- Soil sample SB-3 was collected from 10 to 12 feet bgs because elevated levels of VOCs were detected in the sample with the PID. The collected sample was submitted for laboratory analysis of VOCs, TPH, RCRA 8 metals, PAHs, and PCBs.
- It should be noted that two subsurface soil samples were submitted for laboratory analysis from soil boring SB-5 because a high XRF reading was noted in the sample screened from 4 to 6 feet bgs and a high PID reading was noted at a depth of 8 to 10 feet bgs. As such, RCRA 8 metals, PAHs, and PCBs were analyzed in sample SB-5(4-6) while SB-5(8-10) was analyzed for VOCs and TPH.
- Soil sample SB-6 was collected from the groundwater interface zone at 6 to 8 feet bgs and submitted for laboratory analysis of VOCs, TPH, and lead.

#### 4.4 MONITORING WELL INSTALLATION

During soil boring activities on December 6, 2010, five (5) groundwater monitoring wells were installed at the subject property (see **Figure 2**). Monitoring well installation was completed in accordance with SOP DR#009. Monitoring wells MW-1, MW-2, MW-3, MW-5, and MW-7 were installed in borings SB-1, SB-2, SB-3, SB-5, and SB-7, respectively. Installation of monitoring well MW-7 was not proposed in the SSQAPP, however, a field decision was made to install this well because a petroleum odor and an elevated PID measurement were observed in the 8 to 10-foot bgs sample.



Each monitoring well was completed with two-inch diameter PVC pipe and 0.010-inch wide slotted PVC screen installed such that it straddled the water table. The annulus was packed with size No. 2 washed sand to approximately 1-foot above the screen depth and a bentonite seal was placed on top of the annulus and at the ground surface to prevent surface water infiltration. Following installation, each monitoring well was developed and allowed to equilibrate for approximately 48 hours. Monitoring well installation details are depicted on the soil boring logs included in **Appendix C**.

#### **4.5 GROUNDWATER SAMPLING**

On December 8, 2010, Credere returned to the subject property to collect groundwater samples from each monitoring well (MW-1, MW-2, MW-3, MW-5, and MW-7). Prior to sampling, Credere measured the depth to groundwater in each well.

All monitoring wells were sampled using standard low flow sampling techniques with a peristaltic pump. The well was continuously pumped at a stable flow rate and groundwater quality measurements were collected in approximately 5 minute intervals for temperature, pH, conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity in accordance with SOPs DR#003, DR#012, and Credere-001. After stabilization, samples were collected by pumping groundwater directly into laboratory glassware.

Groundwater collected from MW-1, MW-2, MW-5, and MW-7 was submitted for laboratory analysis of VOCs, dissolved RCRA 8 metals, and PAHs. Groundwater collected from MW-3 was submitted for laboratory analysis of VOCs and dissolved lead. Additionally, one duplicate sample was collected from MW-1 and submitted for laboratory analysis of VOCs, dissolved RCRA 8 metals, and PAHs. The dissolved metals samples were filtered in the field. One trip blank sample was also analyzed for VOCs.

Following sampling, each monitoring well was surveyed relative to the USGS datum with a temporary benchmark of 461.06 feet set at the rim of the western-most sewer manhole to allow for the calculation of groundwater elevations and flow gradients. Well depths, elevations, depths to groundwater, and groundwater table elevations are summarized in **Table 5**.

#### **4.6 TEST PIT INVESTIGATION**

On December 2, 2010, Credere excavated test pit TP-1 by hand in the location of the fill pile on the southeast corner of the subject property to a depth of approximately 3 feet bgs. Soil sample TP-1 was collected in accordance with SOP Credere-003 at the 0-2 foot interval and submitted for laboratory analysis of VOCs, RCRA 8 metals, and PAHs. The test pit log is included in **Appendix C**.



## 4.7 POTENTIALLY HAZARDOUS BUILDING MATERIALS

### 4.7.1 Lead-Based Paint Survey

A survey for lead-based paint on the subject property buildings was conducted by Credere on December 8, 2010, using an XRF. Paint with a concentration of lead greater than 1.0 mg/cm<sup>2</sup> was considered positive for lead-based paint. The lead-based paint survey was not intended to determine the suitability of the buildings for residential or child-occupied uses. If the subject property buildings are to be used in the future as residences or child-occupied facilities, a formal lead survey should be conducted by a NHDES Certified Lead Inspector. **Table 9** includes a summary of the positive lead-based paint locations. The lead-based paint survey results are included as **Appendix F**.

### 4.7.2 Asbestos Survey

On December 20, 2010, Absolute Air Quality (AAQ) of Portsmouth, NH performed an asbestos-containing materials survey of the buildings at the subject property. AAQ collected samples from all suspect asbestos-containing building materials observed in the building in accordance with the Occupational Safety and Health Administration (OSHA) standards and adhered to all state requirements for sample collection. In general, samples were collected, labeled, and submitted to Proscience Analytical Services, Inc. of Woburn Massachusetts for asbestos analysis by polarized light microscopy. The asbestos survey report and results are included as **Appendix G**.

### 4.7.3 PCB-Containing Bulk Products

On December 8, 2010, Credere inventoried all suspect PCB-containing bulk products at the subject property. Examples included paint, caulking, sealants, grout, mastic, glazing, and insulation. Consistent with this inventory and the results of previous investigations at similar sites, Credere identified four (4) potentially PCB-containing bulk products and collected one sample of each material for a total of four (4) bulk product samples. These samples were submitted for laboratory analysis of PCBs in accordance with SOPs EIASOP Porous Sampling1, EPA SOP No. 2011, DR#12, and Credere-004. The following is a description of the collected suspect PCB-containing bulk product samples:

- Bulk product sample BM-1 was collected from the exterior white paint on the cottage.
- Bulk product sample BM-2 was collected from the pink paint on the interior of the garage.
- Bulk product sample BM-3 was collected from the mastic under the linoleum tiles on the interior wall of the cottage.
- Bulk product sample BM-4 was collected from the blue paint on the rear door of the cottage.



## **5. SUMMARY OF REGULATORY STANDARDS**

As a part of the subsurface investigation portion of this Phase II ESA, Credere collected soil, groundwater, and building material samples to confirm or dismiss the presence of contaminants associated with the RECs identified at the subject property and to assess the potential for future risk which may result during anticipated recreational redevelopment. Sample results were compared to applicable state and federal standards described below.

### **5.1 SOIL**

Concentrations in soil samples were compared to New Hampshire's Soil Remediation Standards (SRS) detailed in NHDES Env-Or 600 Contaminated Site Management. Where standards were not available, soil concentrations were compared to other appropriate regulatory standards and guidelines, e.g., USEPA Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, RSL Table Updated November 2010 for soil, and/or published background soil concentrations. If standards or guidelines did not exist, action levels were triggered if the sample analytical results exceeded background levels or naturally occurring ambient conditions.

### **5.2 GROUNDWATER**

Groundwater sample results were compared to the New Hampshire Ambient Groundwater Quality Standards (AGQS) detailed in NHDES Env-Or 600 Contaminated Site Management and USEPA Maximum Contaminant Levels (MCLs) for Drinking Water. In the event that no AGQS or MCLs exist for a particular contaminant, results were compared to the USEPA Region 9 RSLs.

### **5.3 ASBESTOS**

Asbestos sampling was completed in accordance with NHDES Certified Administrative Rule ENV-1800: Asbestos Management Control. Levels of asbestos greater than or equal to 1% by volume as determined by weight, visual evaluation, and/or point count analysis within representative bulk samples obtained from the subject property resulted in the definition of such bulk materials as ACMs.

### **5.4 LEAD-BASED PAINT**

Concentrations of lead in paint as determined through the use of the XRF analyzer were compared to the limit of 1.0 mg/cm<sup>2</sup> or 0.5% by weight. All construction work involving exposure or potential exposure to lead is covered by the OSHA Lead in Construction Standard 29 CFR 1926.62.

## 5.5 PCB-CONTAINING BULK MATERIALS

Bulk products that contain concentrations of total PCBs equal to or in excess of 50 ppm are defined as PCB bulk product wastes in accordance with 40 CFR 761.3. These materials are regulated for disposal under 40 CFR 761.62. Bulk products that have been analyzed to contain total PCBs at a concentration of equal to or greater than 1 ppm but less than 50 ppm (and these concentrations are not the result of dilution) are not regulated for disposal as long as they remain in use. However, if these materials are removed from use, they must be disposed of at a facility that is licensed to accept these materials in accordance with the applicable state regulations. Bulk products which have been analyzed to contain total PCBs at a concentration of less than 1 ppm are unrestricted for future use and/or disposal.

Bulk materials which have been analyzed to contain total PCB concentrations equal to or in excess of 1 ppm as a result of contact with a PCB bulk product waste are defined as a PCB remediation waste in accordance with 40 CFR 761.3. These materials must be disposed of under a special approval which meets the requirements presented at 40 CFR 761.79(h). Bulk materials which have been analyzed to contain total PCBs at concentrations of less than 1 ppm are unrestricted for future use and/or disposal.



## 6. PHASE II RESULTS

The following subsections present the results of the data collected during the field work portion of this Phase II ESA.

### 6.1 GPR SURVEY RESULTS

Results of the GPR survey did not show the presence of any USTs beneath the subject property, suggesting that they have been removed as reported. A faint anomaly was identified in the lawn area south of the buildings. According to Dig Smart, the anomaly appeared to be approximately 2 feet wide by 4 feet long at a depth of approximately 2 to 4 feet bgs. A test pit was excavated by hand to a depth of 2 feet in the area of the anomaly. No structures were observed, but small clusters of asphalt were identified within the test pit. It is likely that these small clusters of asphalt were the cause of the faint anomaly noted. No other suspect subsurface structures were detected during the survey.

Results of the RD-8000 electronic tracing of the floor drain line revealed that the line likely discharges to the municipal sewer system on the north side of the building. As a result, and in accordance with the SSQAPP, soil boring and monitoring well SB-4/MW-4 were not installed at this location.

### 6.2 SURFICIAL SOIL SAMPLE RESULTS

#### 6.2.1 Field Screening Results

No visual and/or olfactory evidence of contamination was observed in the field in any of the surficial soil samples collected at the subject property. PID readings ranging from 1.4 to 2.7 ppm are considered negligible. Elevated concentrations of chromium, arsenic, and mercury were detected in surficial soil samples SS-3, SS-4, and SS-7, respectively, as determined by XRF field screening.

Surficial soil sample field screening results are summarized in **Table 2** and **Table 3**.

#### 6.2.2 Laboratory Results

Results of the six (6) surficial soil samples indicate only one sample (SS-2) contained VOCs above practical quantitation limits (PQLs). The VOC chloroform was noted in surficial soil sample SS-2. Chloroform is not regulated under the NHDES SRS. However, the result (0.1 mg/kg) is below the USEPA RSL for ingestion of chloroform which is 21 mg/kg.

TPH was detected only in surficial soil sample SS-2 at a concentration of 730 mg/kg, which is below the NHDES Soil Remediation Standard of 10,000 mg/kg.

Arsenic, barium, chromium, and lead were detected above the laboratory PQL in all surficial soil samples analyzed for RCRA 8 metals. Mercury was detected in samples SS-2, SS-4, and SS-7 only. All concentrations of these metals were detected below their respective NHDES SRS.

Copper was detected in surficial soil sample SS-5 at a concentration of 18 mg/kg. Copper is not regulated under the NHDES SRS, but this detected concentration is below the applicable USEPA RSL for ingestion of copper which is 3,100 mg/kg.

Various PAHs were detected in surficial soil samples where it was analyzed (i.e. SS-2, SS-4, SS-5, and SS-7). However, only concentrations of benzo(a)anthracene, benzo(b)fluoranthene, and benzo(a)pyrene detected in the four applicable samples exceeded their respective NHDES SRS. Additionally, concentrations of indeno(1,2,3-cd)pyrene detected in surficial soil samples SS-4 and SS-5 exceeded its NHDES SRS.

No PCBs were detected above the laboratory PQL for any of the surficial soil samples analyzed.

Surficial soil sample laboratory analytical results are summarized in **Table 4** and sample locations are depicted on **Figure 2**. Duplicate sample results are discussed in **Section 7.1** and are summarized in **Table 8**.

### **6.2.3 Subsequent Visual Soil Sample Observations**

Due to the widespread presence of PAHs detected in surficial soil across the subject property, the available samples, SS-4, SS-5, and SS-6, were visually inspected with a 10 power jeweler's loop to identify the possible presence of asphalt, ash, and/or other combusted materials. Small particles (1 to 2 mm) of asphalt, coal, charcoal, and wood ash were identified in samples SS-4, SS-5, and SS-6. It is likely that the ash, coal, and charcoal were present in fill used to level the subject property and/or were deposited on the subject property from exhaust from the trains using the railroad tracks on the adjacent property.

Descriptions of surficial soil samples are included in the surficial soil sampling logs located in **Appendix C**.

## **6.3 SUBSURFACE SOIL SAMPLE RESULTS**

### **6.3.1 Field Screening Results**

Olfactory evidence of contamination was observed and elevated VOCs were detected at certain depths within soil borings SB-1, SB-3, SB-5, and SB-7. XRF readings identified elevated metals concentrations in multiple soil borings. Elevated arsenic concentrations were detected in soil borings SB-1, SB-2, and SB-5. Elevated mercury concentrations were detected in soil borings SB-5 and SB-7. Elevated lead concentrations were detected in soil boring SB-5.

Subsurface soil sample field screening results are summarized in **Table 2** and **Table 3**.

### **6.3.2 Laboratory Results**

Analytical results of the subsurface soil samples collected on December 6, 2010, indicate that concentrations of VOCs were detected above PQLs in subsurface soil samples SB-1, SB-5(8-10), and SB-7. All detected concentrations were below their respective NHDES SRS.

TPH was only detected above the laboratory PQL in subsurface soil sample SS-5(8-10). The detected concentration of 6,200 mg/kg is below the NHDES SRS of 10,000 mg/kg for TPH.

The metals arsenic, barium, chromium, and lead were detected above the laboratory PQL in subsurface soil samples SB-1, SB-2, SB-3, SB-5(4-6), and SB-7. Cadmium was detected in samples SB-2, SB-5(4-6), and SB-7. Mercury was detected in samples SB-2 and SB-5(4-6). Silver was detected in sample SB-2 and lead was detected in sample SB-6. Arsenic and lead concentrations detected in sample SB-5(4-6) were the only metals noted at levels exceeding their respective NHDES SRS.

PAHs were detected above the laboratory PQL in subsurface soil samples SB-2, SB-5(4-6), and SB-7. Only detected concentrations of benzo(b)fluoranthene and benzo(a)pyrene exceeded their respective NHDES SRS. It should be noted that the laboratory PQL for dibenzo(a,h)anthracene in sample SB-5(4-6) was higher than the NHDES SRS; therefore, it should be conservatively assumed that this analyte exceeds the NHDES SRS as well.

The PCB Aroclor 1260 was detected above the laboratory PQL in subsurface soil samples SB-2, SB-3, and SB-7. The detected concentrations were all below the NHDES SRS for PCBs.

Subsurface soil sample laboratory analytical results are summarized in **Table 4** and sample locations are depicted on **Figure 2**.

### 6.3.3 Subsequent Visual Soil Sample Observations

Due to the detection of PAHs in soil sample SB-5(4-6), samples SB-5(2-4) and SB-5(6-8) were visually inspected with a 10 power jeweler's loop to identify the possible presence of asphalt, ash, and/or other combusted materials. These samples were collected from directly above and below SB-5(4-6). These samples were inspected because all of the recovered material from sample SB-5(4-6) was submitted for laboratory analysis and thus not available for inspection. Small particles (1 to 2 mm) of asphalt, coal, charcoal, and wood ash were identified in sample SB-5(2-4) and wood ash and coal ash were identified in sample SB-5(6-8). It is likely that these materials were present in the fill used at the subject property.

## 6.4 GROUNDWATER SAMPLE RESULTS

As indicated above, six (6) groundwater samples, including one duplicate sample, were collected from the subject property monitoring wells and submitted for laboratory analysis. The low flow parameter ranges for the collected samples are presented below.

Temperature: 9.36 to 12.11°C

pH: 5.90 to 7.36

Conductivity: 0.331 to 1.716 mS

Oxidation Reduction Potential: -100.5 to 33.3 mV

Dissolved Oxygen: 0.27 to 1.36 mg/l

Groundwater sampling logs are included as **Appendix D**.

Results indicate that VOCs were detected above the laboratory PQL in groundwater samples MW-1 and MW-3. However, concentrations detected were below their respective NHDES AGQS.

Dissolved arsenic was detected above the laboratory PQL at levels exceeding the applicable NHDES AGQS in groundwater samples MW-2 and MW-5. Dissolved barium was detected above the laboratory PQL in groundwater samples MW-2, MW-5, and MW-7 at concentrations below the applicable NHDES AGQS.

The PAH compound naphthalene was detected in groundwater sample MW-2 at a concentration which was below the applicable NHDES AGQS. No other PAHs were detected above the laboratory PQL in any of the groundwater samples analyzed.

Groundwater sample laboratory analytical results are summarized in **Table 6** and sample locations are depicted on **Figure 2**. Duplicate sample results are discussed in **Section 7.1** and are summarized in **Table 8**.

## 6.5 TEST PIT SAMPLE RESULTS

Laboratory analysis of sample TP-1 indicated that no detectable VOCs were present in the sample. Arsenic, barium, chromium, and lead were detected at concentrations below the applicable NHDES SRS. Multiple PAH compounds were detected in the sample. PAH compound concentrations exceeding the applicable NHDES SRS included benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, and indeno(1,2,3-cd)pyrene. Sample TP-1 laboratory analytical results are summarized in **Table 4** and the sample location is depicted on **Figure 2**.

Asphalt was observed on the lower surface of the fill pile. The depth of the asphalt into the pile was unable to be determined because the asphalt was too hard to penetrate with hand tools. Excavation into the upper portion of the fill pile revealed no additional visual or olfactory evidence of land filling, hazardous materials, or petroleum-impacted soil.

### 6.5.1 Subsequent Visual Soil Sample Observations

Due to the presence of PAHs in test pit sample TP-1 the soil was visually inspected with a 10 power jeweler's loop to identify the possible presence of asphalt, ash, and/or other combusted materials. Small particles (1 to 2 mm) of asphalt were identified in the sample. It is likely that this material was present in the fill used at the subject property.

## 6.6 POTENTIALLY HAZARDOUS BUILDING MATERIALS

### 6.6.1 Lead-Based Paint Survey

Lead-based paint was identified on multiple surfaces in multiple rooms throughout the interior and exterior of the buildings. The results of the lead-based paint survey are included in **Table 9** and **Appendix F**.



### 6.6.2 Asbestos Survey

AAQ collected samples from all suspect asbestos-containing building materials observed in the buildings and laboratory analysis indicated that chrysotile was identified in multiple areas of floor tile, mastic, and roofing materials within the garage building. Crumbled asbestos containing floor tile was identified scattered throughout the cottage. The asbestos survey report and results are included as **Appendix G**. AAQ estimates that asbestos abatement for the subject property will cost approximately \$10,000.

### 6.6.3 PCB-Containing Bulk Products

Laboratory results indicated that PCBs were detected in all four samples that were collected. Paint located in the garage and on the door of the cottage (samples BM-2 and BM-4) had total PCB concentrations below 50 ppm, but above 1 ppm; therefore, if removed, these materials must be disposed of at a facility permitted to accept PCB-containing products with concentrations below 50 ppm.

It should be noted that the bulk material samples collected and analyzed during Phase II activities are only those identified as being most likely to contain PCBs during Credere's inventory. This sampling effort was not intended to be considered a complete survey of the building. Aside from those materials addressed during this Phase II ESA, a list of possible PCB-containing materials and items provided by the NHDES included the following:

Transformers	Oil-based paint	Roofing materials
Capacitors	Caulking	Siding materials
Electrical equipment	Plastics	Grout
Used motor/hydraulic oil	Carbonless copy paper	Waterproofing compounds
Fluorescent light ballasts	Floor finishes	Anti-fouling compounds
Cable insulation	HVAC gaskets	Fire retardant coatings
Thermal insulation	Ceiling tile coatings	Coal tar enamel coatings
Adhesives and tapes	Flooring sealants	

## 7. QUALITY ANALYSIS/QUALITY CONTROL

The contracted laboratory Resource Laboratories of Portsmouth, New Hampshire provided Level II analytical data according to USEPA protocols, USEPA laboratory data validation guidance and the SSQAPP. The laboratories provided the following information in analytical reports:

- Data results sheets
- Method blank results
- Surrogate recoveries and acceptance limits
- Duplicate results/acceptance limits
- Spike/duplicate results/acceptance limits
- Laboratory control sample results
- Description of analytical methods and results
- Other pertinent results/limits as deemed appropriate

As outlined in the SSQAPP, at the completion of the field tasks and upon receipt of the analytical results, a data usability analysis was conducted to document the precision, bias, accuracy, representativeness, comparability, and completeness of the results. The following sections present this analysis.

### 7.1 PRECISION

Precision measures the reproducibility of measurements. The precision measurement is established using the relative percent difference (RPD) between the duplicate sample results. Relative percent differences were calculated for soil and groundwater samples where both sample and duplicate values were greater than five times (5X) the PQL of the analyte. The RPD is calculated as follows:

$$\text{RPD} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Mean of the Two Results}} \times 100$$

The following two (2) duplicate samples were collected during this Phase II ESA:

- DUP-SS (duplicate soil sample collected at surficial soil sample location SS-4 from 0 to 2 feet bgs)
- DUP-MW (duplicate groundwater sample collected from MW-1)

**Table 8** summarizes the duplicate sample results and RPDs.

Sample DUP-SS was submitted for laboratory analysis of VOCs, TPH, RCRA 8 metals, PAHs, and PCBs. All VOC and PCB analytes were not detected or were below 5X the PQL in these samples; therefore, RPDs were not calculated for these samples. RPDs for RCRA 8 metals in these samples ranged from 1.1% to 12.3%, which were within the acceptable limit of 35%.



RPDs for the PAH compounds fluoranthene and pyrene were calculated to be 52.1% and 52.4%, respectively. Due to low concentrations of each PAH analyte detected in both the sample and duplicate sample relative to the regulatory standard, the RPDs exceeding the 35% threshold are significant but are likely not indicative of a fault with the overall precision of this analysis.

Sample DUP-MW was submitted for laboratory analysis of VOCs, dissolved RCRA 8 metals, and PAHs. The VOC analyte 1,2,4-trimethylbenzene was detected at a concentration of 14 µg/L in both the sample and duplicate sample, thus having an RPD of 0%. All other VOCs, dissolved RCRA 8 metals, and PAH analytes were not detected or were below 5X the PQL in these samples; therefore, RPDs were not calculated.

## 7.2 BIAS

Bias is the systematic or persistent distortion of a measurement process that causes errors in one direction. Bias assessments are made using personnel, equipment, and spiking materials or reference materials as independent as possible from those used in the calibration of the measurement system. Bias assessments were based on the analysis of spiked samples so that the effect of the matrix on recovery is incorporated into the assessment. A documented spiking protocol and consistency in following that protocol are important in obtaining meaningful data quality estimates.

Matrix spike and matrix spike duplicate samples (MS/MSD) were used to assess bias as prescribed in the specified methods. Acceptable recovery values were within the recoveries specified by each of the analysis methods. Control samples for assessing bias were analyzed at a rate as specified in the analytical SOPs and specified analytical methods.

The laboratory provides quality control non-conformance reports that indicate if Laboratory Control Samples/Laboratory Control Sample Duplicates (LCS/LCSD) and/or MS/MSD had low, failing, or high recoveries, and if the sample result was affected. Likewise, the laboratory reports any compounds that had failing RPDs in the LCS/LCSD pair or the MS/MSD pair. This indicates the percent difference between the laboratory sample and its duplicate or the spike and its duplicate. According to the laboratory, unless noted in the non-conformance summary, all of the quality control criteria for these analyses were within acceptable limits. No comments were provided by the laboratory for these analyses.

## 7.3 ACCURACY

Accuracy is a statistical measurement of correctness and includes components of random error (variability due to imprecision) and systemic error. It, therefore, reflects the total error associated with a measurement. A measurement is accurate when the value reported does not differ from the true value or known concentration of the spike or standard. For VOCs, SVOCs, and PAHs, surrogate compound recoveries are also used to assess accuracy and method performance for each sample analyzed. Analysis of performance evaluation samples are also used to provide additional information for assessing the accuracy of the analytical data being



produced. Both accuracy and precision are calculated for each analytical batch, and the associated sample results are interpreted by considering these specific measurements.

The lab provides a non-conformance summary that reports if all of the quality control criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for analysis were within acceptable limits. According to the laboratory, unless noted in the non-conformance summary, all of the quality control criteria for these analyses were within acceptable limits. Specific comments from the laboratory included:

#### **PAHs by 8270D**

*Sample 20590-002:*

*The surrogate showed recovery outside the acceptance limits. Re-extraction of the sample showed similar results. Matrix interference suspected.*

*Sample 20590-003:*

*Dilution was required due to matrix interference, causing internal standard suppression.*

*Sample 20639-006:*

*Dilution was required due to matrix interference, causing internal standard suppression.*

#### **PCBs by 8082A**

*Sample 20639-004:*

*The surrogate showed recovery outside the acceptance limits. Matrix interference suspected.*

*Sample 20639-005:*

*The surrogate showed recovery outside the acceptance limits. Matrix interference suspected.*

### **7.4 REPRESENTATIVENESS**

Objectives for representativeness are defined for each sampling and analysis task and are a function of the investigative objectives. Representativeness was accomplished during this project through use of standard field, sampling, and analytical procedures.

All objectives for sampling and analytical representativeness for samples that were analyzed, as specified in SSQAPP Addendum No. 11, were met.

### **7.5 COMPARABILITY**

Comparability is the confidence with which one data set can be compared to another data set. The objective for this QA/QC program is to produce data with the greatest possible degree of comparability. Comparability was achieved by using standard methods for sampling and analysis, reporting data in standard units, normalizing results to standard conditions and using standard and comprehensive reporting formats. Complete field documentation was used, including standardized data collection forms to support the assessment of comparability.



Historical comparability shall be achieved through consistent use of methods and documentation procedures throughout the project.

## **7.6 COMPLETENESS**

Completeness is calculated by comparing the number of samples successfully analyzed to the number of samples collected. The goal for completeness is 95 percent. The completeness for this project was 100 percent, as there were no samples that could not be analyzed due to holding time violations, samples spilled or broken, or any other reason.



## 8. CONCEPTUAL SITE MODEL

This Phase II ESA was designed to provide further understanding of the contaminants at the subject property and to aid in changing the subject property use from commercial to recreational. The following section is a description of the Conceptual Site Model (CSM), which incorporates information from this investigation.

### 8.1 SITE GROUNDWATER AND HYDROGEOLOGY

Groundwater in overburden materials at the subject property was observed at depths ranging from 6.06 to 8.75 feet bgs. Based on groundwater elevations and the contours depicted on **Figure 3**, groundwater at the subject property generally flows to the southwest at a relatively flat gradient of 0.03 feet/foot.

### 8.2 SURFACE WATER FLOW

Topography at the subject property generally slopes in two directions. The north side of the subject property slopes gently to the northwest, while the south side tends to slope radially to the south and west. Stormwater on the north side of the subject property likely follows surficial topography resulting in a northwesterly flow which terminates at a catch basin located in the northwestern corner of the subject property. This catch basin reportedly discharges via a culvert into a drainage ditch. The ultimate outfall of this drainage ditch is the Winnepesaukee River. Stormwater on the south side of the subject property generally follows the topography radially to the south and west and flows directly into the Winnepesaukee River.

### 8.3 GEOLOGICAL CHARACTERISTICS

#### 8.3.1 Surficial Geology

According to the *Geohydrology and Groundwater Quality Data of Stratified-Drift Aquifers in the Winnepesaukee River Basin, Central New Hampshire*, USGS, Water-Resources Investigations Report 94-4150, by Joseph D. Ayotte (1997), the surficial geology at the subject property consists of glacial till over bedrock. Surficial materials observed at the subject property during soil sampling activities revealed predominantly sand with some gravel at deeper depths.

#### 8.3.2 Bedrock Geology

According to the *Generalized Bedrock Geologic Map of New Hampshire* compiled by the USGS, the subject property is underlain primarily metamorphic rocks of the Silurian age, consisting of aluminous schist, quartzite, calc-silicate granofels, and bimodal metavolcanic rocks. According to the USGS, the average depth to bedrock is 35-feet bgs, but can be up to 200-feet bgs in localized areas. Bedrock was not encountered during soil boring activities.

The contaminants of concern discussed in this CSM are those compounds that (1) are associated with historic use of the subject property, and/or (2) were detected above applicable regulatory



standards. Based on this, the contaminants of concern at the subject property include the following:

- Arsenic and lead were detected in subsurface soil at a depth of 4 to 6 feet bgs outside of the garage bay door on the west side of the building. Arsenic was also detected in groundwater southwest of the garage building (MW-2 and MW-5). These metals concentrations may be the result of spilled petroleum and/or hazardous materials at the subject property or could be the result of naturally occurring geologic conditions at the subject property. However, these contaminants are carried through the conceptual model because they may still represent a health concern to subject property users.
- Multiple PAH compounds including benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, and indeno(1,2,3-cd)pyrene were detected in surficial soils across the subject property and in subsurface soils at a depth of 4 to 6 feet bgs outside of the garage bay door on the west side of the building. Additionally, the laboratory PQL for dibenzo(a,h)anthracene was higher than the SRS in subsurface soil sample SB-5(4-6); therefore, it also is conservatively considered to be a contaminant of concern. The presence of low level PAHs in all samples analyzed for PAHs suggests that they could be the result of background conditions unrelated to subject property activities. These contaminants are also carried through the conceptual model because they may still represent a health concern to subject property users.
- Asbestos and lead-based paint was identified in excess of applicable regulatory limits within the subject property buildings.

To aid in a thorough understanding of the environmental concerns present at the subject property, a graphical presentation of the identified contaminants of concern and the migration pathways to potential receptors is included as **Figure 4**. Exposure Pathways and Potential Receptors depicted on the CSM are defined below.

Exposure Pathways describe how a human or environmental receptor comes into contact with contaminants which may be present at the subject property. Exposure pathways presented in the CSM include the following:

**Inhalation:** This pathway is primarily associated with groundwater contamination within 30 feet of an occupied structure when groundwater elevation is less than 15 feet below surface grade, or when depth to groundwater is unknown. In addition, this pathway is applicable when receptors may incidentally inhale impacted media in the form of dust, vapor, or airborne particulates.

**Dermal Absorption:** Exposure via dermal absorption occurs when receptors are exposed to chemical concentrations present in soil, groundwater, or surface water through direct contact with the

skin.

**Active Ingestion:** The Active Ingestion pathway represents exposure which may occur through the active ingestion of contaminant concentrations via a drinking water supply well or through agricultural products.

**Incidental Ingestion:** This pathway is applicable when receptors may incidentally ingest impacted media in the form of dust or airborne particulates.

Potential Receptors are categorized by duration of exposure and intensity of use at the subject property. The receptor categories described in the CSM include the following:

**Resident:** The residential receptor is defined by high durational exposure and high intensity usage which may occur through gardening, digging, and recreational sports. This group includes the occupants of a residential property or a residential neighborhood.

**Commercial:** Commercial receptors are those which are present at the subject property for long durations but with low intensity exposure such as indoor office workers.

**Site Worker:** Site workers are present at the subject property for short durations though intensity of use is high, such as during non-routine activities including construction or utility work. Examples include outdoor commercial workers and construction workers.

**Visitor:** Visitors are characterized by low duration, i.e. less than two hours per day, and low intensity usage such as that which would occur during activities such as walking, shopping, and bird watching.

**Terrestrial and Aquatic Biota:** These receptors include flora and fauna which may be exposed to contaminants in their respective land-based or aquatic environments.

**Summary:**

Based on known subject property history, PAHs, arsenic, and lead have the potential to have been released to the environment through surficial and subsurface releases associated with previous subject property usage, filling with urban materials, or have the potential to be consistent with background conditions. Primary impacted media includes surficial soil (PAHs only), subsurface soil (PAHs, lead, and arsenic), and groundwater (arsenic only). PAHs in surficial soils have the potential to migrate through Aeolian dispersion and impact both on-site and off-site receptors. PAHs and lead in subsurface soils have the potential to impact residential and site worker receptors during and after proposed subject property redevelopment. Arsenic in subsurface soils appears to migrate to groundwater by infiltration and leaching and has the potential to affect all six receptors. It is currently unclear if the arsenic detected above the





NHDES AGQS in groundwater at the subject property is the result of subject property activities or background conditions. No evidence of the migration of PAHs and/or lead to groundwater was identified during these Phase II ESA activities.

Asbestos and lead-based paint have the potential to be released to the environment through degradation of building materials. Asbestos has the potential to affect indoor air and impact residential, commercial, site worker, and visitor receptors. Lead-based paint has the potential to affect indoor spaces and surficial soils and has the potential to migrate through pedestrian and Aeolian dispersion and stormwater runoff. Lead-based paint has the potential to impact all six receptors both on-site and off-site.



## 9. DEVIATIONS

The following deviations were made from the SSQAPP Addendum No. 11 (see **Appendix A**) during the course of the investigation:

1. Surficial soil sample SS-1 was not collected because the soil in the area around the 275-gallon AST where this sample was to be collected was covered with concrete. The slab appeared to be intact (i.e. no cracks or holes noted). No evidence of fuel oil releases were noted on the concrete under the tank.
2. According to the SSQAPP, soil boring SB-7 was not supposed to be finished as a monitoring well. However, monitoring well MW-7 was installed in soil boring SB-7 due to olfactory evidence of contamination observed and elevated PID readings detected in subsurface soil during field screening operations.



## 10. DATA GAPS

Background soil samples were not collected at the subject property due to the lack of undisturbed area within the subject property boundaries. Therefore, it is unclear whether PAH and metals concentrations detected in soil are related to background conditions or if they are the result of historic use of the subject property.



## 11. CONCLUSIONS

A summary of our conclusions in relation to the identified RECs, other environmental concerns, and the investigation results are presented below:

- REC-1, which is associated with the former use of the subject property as a gas station, past distribution, and past and present bulk storage of petroleum products, is dismissed because no evidence of a release of petroleum in the distribution area or from the past and present bulk storage containers was observed based on the collected laboratory analytical data.
- REC-2, which is associated with the documented historical release from the gasoline and waste oil USTs, is dismissed because no evidence of soil or groundwater contamination was observed in the laboratory analytical data for the samples collected in the vicinity of the USTs.
- REC-3, which is associated with the former use of the subject property as an auto repair facility, cannot be confirmed or dismissed from the data collected because it is not clear if metals detected exceeding both the NHDES SRS and AGQS are related to prior activities at the subject property or conversely associated with an area wide background condition. The identified metals impacted soils and groundwater still represent a potential health risk that requires proper management.
- REC-4, which is associated with the floor drain observed in the garage, has been dismissed because results of the GPR survey indicated that the floor drain was connected to the municipal sewer system; therefore, a pathway to environment is unlikely.
- REC-5, which is associated with the suspected dump and fill area observed along the southern portion of the subject property, has been dismissed. A faint anomaly observed during the GPR survey was determined to be the result of a cluster of asphalt which was confirmed through the hand excavation of a test pit. No evidence of contamination was observed in laboratory analytical data for subsurface soil samples collected from the suspected dump and fill areas.
- REC-6, which is associated with the stressed vegetation below the pole mounted electrical transformer, has been dismissed because no PCBs were detected in surficial soil sample SS-6 which was collected below the transformer.
- NEC-1, which is associated with potential presence of ACMs, has been confirmed because ACMs were identified in both subject property buildings.
- NEC-2, which is associated with the potential presence of lead-based paint in the subject property buildings, has been confirmed because lead-based paint was identified on surfaces in both buildings.
- NEC-3, which is associated with PCB-containing bulk products within the subject property buildings, has been confirmed because PCBs have been identified in bulk



products within both buildings. Concentrations of PCBs identified in paint in both buildings (samples BM-2 and BM-4) exceeded 1 ppm, but were below 50 ppm. Based on observed conditions, these materials have been characterized as excluded PCB products. Though these materials are not regulated for disposal, if removed from use, these products must be disposed at a facility authorized to accept PCB-containing materials at the applicable concentrations. All other bulk products analyzed had total PCB concentrations of less than 1 ppm; therefore, they are unregulated.

- NEC-4, which is associated with the possible presence of mold in the subject property buildings, has not been addressed because it is likely that the buildings will be demolished.
- The presence of PAHs noted in surficial and subsurface soils are attributed the presence of asphalt, coal, and ash materials that were identified in these samples. As a result, these PAHs meet the NHDES definition of "background" as defined by Env-Or 602.03. It is our interpretation that PAHs identified onsite are not subject to the NHDES SRS [per Env-Or 606.19(f)], but similar to the metals identified in soil they still represent a health risk that should be appropriately managed.



## 12. RECOMMENDATIONS

Based on observations and results of the investigation conducted at the Ernie's Auto Sales property, Credere makes the following recommendations for the subject property:

- Regarding the "background" PAH condition, it is recommended that PAH soils should be managed under a soil management plan during any future redevelopment of the subject property. The management plan should be devised to eliminate human contact with these soils.
- Additional subsurface soil sampling in the vicinity of SB-5 is recommended to determine the vertical and horizontal extent of the metals that exceed the NDHES SRS because the soil represents a potential health risk. In addition, we recommend that the soils should be managed in accordance with a soil management plan during any future redevelopment of the subject property.
- Additional groundwater sampling should be completed to monitor the presence of arsenic in groundwater at the subject property. The presence of arsenic at concentrations that exceed the NHDES AGQS at groundwater sample locations MW-2 and MW-5 represents a potential risk which may require mitigation during future redevelopment of the subject property.
- If the buildings are to be renovated or demolished, removal of all identified ACMs should be performed by a licensed asbestos abatement professional in accordance with all applicable state and federal regulations.
- If the buildings are to be renovated or demolished, removal activities and disposal of all identified lead-based paint should be conducted in accordance with the applicable state and federal regulations.
- If the buildings are to be renovated or demolished, the removal of identified excluded PCB products should be conducted by qualified personnel and the selected disposal facility should be licensed to accept these materials in accordance with applicable state regulations.
- If the buildings are to be renovated, a mold survey should be conducted to identify the presence of hazardous molds within the buildings. Conversely, if the buildings are to be razed, demolition activities should be conducted in such a manner as to protect human health from potential mold hazards.

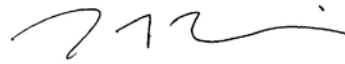


### 13. SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

The following Environmental Professionals performed this Phase II ESA in conformance with ASTM Standard Guide E 1903-97 (reapproved 2002). The following individual(s) meet the qualifications for individuals completing or overseeing all appropriate inquiries, and possess sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding the existence of environmental conditions on the subject property. Any work completed on this Phase II ESA by an individual who is not considered an environmental professional was completed under the supervision or responsible charge of the environmental professional.



Silas Canavan, EI  
Civil/Environmental Engineer



Jedd Steinglass  
Senior Geologist



Richard S. Vandenberg, PG  
Senior Geologist

## 14. LIMITATIONS

This report has been prepared as part of a contract agreement between Credere Associates, LLC and LRPC for their Brownfields program. This agreement was established in order to provide LRPC with information upon which it can rely concerning the existence or likely existence of various environmental contaminants on or adjacent to the subject property.

This report does not reflect:

1. Conditions in untested areas.
2. Variations in chemical concentrations that can occur between sample locations.
3. The total understanding of potential influences of off-site areas or historical uses that may have contributed or currently contribute to subject property contamination, particularly relating to groundwater and subsurface soil conditions. The limited evaluation of off-site contamination sources was based on available data and records.
4. The potential presence of compound sources was based on available data and records.
5. The potential presence of analytes that were not analyzed for or that may be present below minimum Practical Quantification Limits for the methods tested.
6. The conditions of groundwater and/or surface water beyond available data.
7. Variation in the subject property conditions that occurred at a time other than when the subject property inspection was completed.

In the event that any conditions different from those described herein are encountered at a later time, Credere Associates, LLC requests an opportunity to review such differences and modify the assessment and conclusions of this report. This report was prepared expressly for the purpose described. The information in this report may not be suitable for any other use without adaptation for the specific purpose intended. Any such reuse of this report, without adaptation, shall be at the sole risk and liability of the party undertaking the reuse.





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**TABLE 1**  
**ERNIES AUTO SALES PROPERTY**  
**180 EAST MAIN STREET - TILTON, NEW HAMPSHIRE**

**SUMMARY OF EXPLORATION LOCATIONS AND SAMPLING METHODS**

<b>Location Name</b>	<b>Sample Depth (feet)</b>	<b>Media Sampled</b>	<b>Type of Exploration</b>	<b>Sampling Method</b>
TP-1	0-2	Subsurface Soil	Test Pit Composite	Pre-cleaned Trowel
SS-2	0-2	Surficial Soil	Surficial Soil Sample	Pre-cleaned Split-Spoon
SS-3	0-2	Surficial Soil	Surficial Soil Sample	Pre-cleaned Trowel
SS-4	0-2	Surficial Soil	Surficial Soil Sample	Pre-cleaned Trowel
SS-5	0-2	Surficial Soil	Surficial Soil Sample	Pre-cleaned Trowel
SS-6	0-2	Surficial Soil	Surficial Soil Sample	Pre-cleaned Trowel
SS-7	0-2	Surficial Soil	Surficial Soil Sample	Pre-cleaned Split-Spoon
SB-1	9-10	Subsurface Soil	Soil Boring	Pre-cleaned Split-Spoon
SB-2	8-9.5	Subsurface Soil	Soil Boring	Pre-cleaned Split-Spoon
SB-3	10-12	Subsurface Soil	Soil Boring	Pre-cleaned Split-Spoon
SB-5 (4-6)	4-6	Subsurface Soil	Soil Boring	Pre-cleaned Split-Spoon
SB-5 (8-10)	8-10	Subsurface Soil	Soil Boring	Pre-cleaned Split-Spoon
SB-6	6-8	Subsurface Soil	Soil Boring	Pre-cleaned Split-Spoon
SB-7	8-10	Subsurface Soil	Soil Boring	Pre-cleaned Split-Spoon
MW-1	NA	Groundwater	Monitoring Well	Low-flow Sampling
MW-2	NA	Groundwater	Monitoring Well	Low-flow Sampling
MW-3	NA	Groundwater	Monitoring Well	Low-flow Sampling
MW-5	NA	Groundwater	Monitoring Well	Low-flow Sampling
MW-7	NA	Groundwater	Monitoring Well	Low-flow Sampling

**TABLE 2**  
**ERNIES AUTO SALES PROPERTY**  
**180 EAST MAIN STREET - TILTON, NEW HAMPSHIRE**

**SUMMARY OF PHOTO IONIZATION DEVICE FIELD SCREENING RESULTS**

Location	Sample Depth (feet bgs)	Sample Date	PID Results (ppmv)	Evidence of Petroleum Impact or Petroleum Saturated Soils
<b>Test Pit Sample</b>				
TP-1	0-2*	12/2/2010	1.6	No Evidence Observed
<b>Surficial Soil Samples</b>				
SS-1	0-2*	12/2/2010	1.4	No Evidence Observed
SS-2	0-2*	12/6/2010	2.7	No Evidence Observed
SS-3	0-2*	12/2/2010	1.7	No Evidence Observed
SS-4	0-2*	12/2/2010	1.6	No Evidence Observed
SS-5	0-2*	12/2/2010	2.6	No Evidence Observed
SS-6	0-2*	12/2/2010	1.6	No Evidence Observed
SS-7	0-2*	12/6/2010	2.2	No Evidence Observed
<b>Subsurface Soil Samples</b>				
SB-1	0-2	12/6/2010	ND	No Evidence Observed
	2-4		ND	No Evidence Observed
	4-6		1.7	No Evidence Observed
	6-7		ND	No Evidence Observed
	7-8		ND	No Evidence Observed
	8-9		14.7	Petroleum Odor
	9-10*		325.0	Petroleum Odor
	10-12		40.2	Petroleum Odor
SB-2	12-14	12/6/2010	6.7	No Evidence Observed
	0-2		2.7	No Evidence Observed
	2-4		2.7	No Evidence Observed
	4-6		2.9	No Evidence Observed
	6-8		3.0	No Evidence Observed
	8-9.5*		2.5	No Evidence Observed
	9.5-10		2.3	No Evidence Observed
10-12	ND	No Evidence Observed		
SB-3	0-2	12/6/2010	6.6	No Evidence Observed
	2-4		2.7	No Evidence Observed
	4-6		2.5	No Evidence Observed
	6-8		1.6	No Evidence Observed
	8-9		13.2	Petroleum Odor
	10-12*		79.8	Petroleum Odor
SB-5	0-2	12/6/2010	2.3	No Evidence Observed
	2-4		2.3	No Evidence Observed
	4-6*		4.1	No Evidence Observed
	6-8		2.5	No Evidence Observed
	8-10*		8.2	Petroleum Odor
	10-12		3.2	Petroleum Odor
	12-14		2.7	No Evidence Observed
SB-6	0-2	12/6/2010	ND	No Evidence Observed
	2-4		ND	No Evidence Observed
	4-6		ND	No Evidence Observed
	6-8*		ND	No Evidence Observed
	8-10		2.5	No Evidence Observed
	10-12		1.9	No Evidence Observed
	12-14		ND	No Evidence Observed
SB-7	0-2	12/6/2010	2.2	No Evidence Observed
	2-4		2.5	No Evidence Observed
	4-6		2.3	No Evidence Observed
	6-8		5.3	No Evidence Observed
	8-10*		200.3	Petroleum Odor
	10-12		5.4	No Evidence Observed

**Notes:**

Samples were field screened using a Thermo OVM 580B PID; the PID was calibrated using 100 ppm isobutylene and a response factor of 1.0.

ND - VOCs not detected with PID

ppmv - parts per million by volume

bgs - below ground surface

**TABLE 3  
ERNIE'S AUTO SALES PROPERTY  
180 EAST MAIN STREET - TILTON, NEW HAMPSHIRE**

**SUMMARY OF X-RAY FLUORESCENT FIELD SCREENING RESULTS FOR RCRA 8 METALS**

Location	Sample Depth (feet bgs)	Sample Date	NHDES Soil Remediation Standard and Metal Concentration (mg/kg)								
			Cr	As	Se	Ag	Cd	Ba	Hg	Pb	
			130	11	180	89	33	1,000	6	400	
<b>Test Pit Sample</b>											
TP-1	2	12/2/2010	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	71
<b>Surficial Soil Samples</b>											
SS-1	0-2	12/2/2010	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	56
SS-2	0-2	12/6/2010	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	41
SS-3	0-2	12/2/2010	131	<LOD	<LOD	<LOD	<LOD	<LOD	370	<LOD	111
SS-4	0-2	12/2/2010	<LOD	17	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	108
SS-5	0-2	12/2/2010	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	54
SS-6	0-2	12/2/2010	<LOD	<LOD	6	<LOD	<LOD	<LOD	<LOD	<LOD	60
SS-7	0-2	12/6/2010	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	13	70
<b>Subsurface Soil Samples</b>											
SB-1	0-2	12/6/2010	115	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	63
	2-4		<LOD	14	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	44
	4-6		<LOD	12	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	36
	6-7		<LOD	9	3	<LOD	<LOD	<LOD	<LOD	<LOD	33
	7-8		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	14
	8-9		<LOD	<LOD	<LOD	<LOD	<LOD	428	<LOD	<LOD	21
	9-10		<LOD	16	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	17
	10-12		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD
SB-2	12-14	12/6/2010	<LOD	44	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	27
	0-2		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	41
	2-4		<LOD	13	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	39
	4-6		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	49
	6-8		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	40
	8-9.5		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	18
SB-3	9.5-10	12/6/2010	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	76
	10-12		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	28
	0-2		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	42
	2-4		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	33
	4-6		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	24
	6-8		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	18
SB-5	8-10	12/6/2010	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	22
	10-12		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	28
	0-2		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	40
	2-4		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	246
	4-6		<LOD	110	<LOD	<LOD	<LOD	<LOD	47	5873	
	6-8		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	106	
SB-6	8-10	12/6/2010	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	44
	10-12		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	25	
	12-14		<LOD	8	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	11
	0-2		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	38
	2-4		<LOD	<LOD	<LOD	<LOD	<LOD	368	<LOD	<LOD	65
	4-6		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	44
SB-7	6-8	12/6/2010	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	38
	8-10		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	24	
	10-12		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	16
	12-14		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	18
	0-2		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	13	<LOD	70
	2-4		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	61
SB-7	4-6	12/6/2010	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	478	<LOD	145
	6-8		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	10	<LOD	32
	8-10		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	38
	10-12		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	29

<LOD - Concentration less than instrument level of detection

Exceeds NHDES Soil Remediation Standards

bgs - below ground surface

**TABLE 4  
 ERNIE'S AUTO SALES PROPERTY  
 180 EAST MAIN STREET - TILTON, NEW HAMPSHIRE**

**SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES**

Parameter	Regulatory Standard	Subsurface Soil Sample Location, Date, and Depth (feet)														
	Soil Remediation <sup>(2)</sup> (mg/kg)	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	TP-1	DUP-SS	SB-1	SB-2	SB-3	SB-5(4-6)	SB-5(8-10)	SB-6	SB-7
		12/6/2010	12/2/2010	12/2/2010	12/2/2010	12/2/2010	12/2/2010	12/6/2010	12/2/2010	12/2/2010	12/6/2010	12/6/2010	12/6/2010	12/6/2010	12/6/2010	12/6/2010
		0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-0.5'	9-10'	8-9.5'	10-12'	4-6'	8-10'	6-8'	8-10'
<b>Volatile Organic Compounds (mg/kg) EPA Method 8260B<sup>(1)</sup></b>																
Chloroform	NE	0.1	ND<0.1	ND<0.1	--	--	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0.1
n-propylbenzene	85	ND<0.1	ND<0.1	ND<0.1	--	--	ND<0.1	ND<0.1	ND<0.1	0.2	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	0.4
1,3,5-trimethylbenzene	6	ND<0.1	ND<0.1	ND<0.1	--	--	ND<0.1	ND<0.1	ND<0.1	0.2	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0.1
1,2,4-trimethylbenzene	130	ND<0.1	ND<0.1	ND<0.1	--	--	ND<0.1	ND<0.1	ND<0.1	0.8	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	0.2
Sec-butylbenzene	130	ND<0.1	ND<0.1	ND<0.1	--	--	ND<0.1	ND<0.1	ND<0.1	0.3	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	0.7
4-isopropyltoluene	3,400	ND<0.1	ND<0.1	ND<0.1	--	--	ND<0.1	ND<0.1	ND<0.1	0.2	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	0.2
Naphthalene	5	ND<0.1	ND<0.1	ND<0.1	--	--	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	--	4.0	ND<0.1	ND<0.1
<b>Total Petroleum Hydrocarbons (mg/kg) EPA Method 8100M</b>																
TPH	10,000	730	ND<210	ND<220	ND<230	--	ND<210	--	ND<220	ND<220	ND<240	ND<220	--	6,200	ND<220	ND<270
<b>Metals EPA Method 6010C</b>																
Arsenic	11	6.8	--	8.7	6.2	--	7.8	6.7	8.8	11	3.1	10	14	--	--	7.4
Barium	1,000	43	--	61	43	--	49	48	69	36	36	63	310	--	--	43
Cadmium	33	ND<0.2	--	ND<0.2	ND<0.2	--	ND<0.2	ND<0.2	ND<0.2	ND<0.2	0.3	ND<0.2	0.8	--	--	0.3
Chromium	130*	13	--	21	12	--	16	12	20	15	54	21	23	--	--	42
Lead	400	30	--	59	44	--	53	48	58	8.2	30	11	750	--	14	44
Mercury	6	0.07	--	0.11	ND<0.07	--	0.14 M	ND<0.07	0.13	ND<0.07	0.17	ND<0.07	0.26	--	--	ND<0.08
Selenium	180	ND<3	--	ND<3	ND<3	--	ND<3	ND<3	ND<3	ND<3	ND<3	ND<2	ND<3	--	--	ND<3
Silver	89	ND<0.4	--	ND<0.4	ND<0.4	--	ND<0.4	ND<0.4	ND<0.4	ND<0.4	0.6	ND<0.3	ND<0.4	--	--	ND<0.5
Copper	NE	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--
<b>Polycyclic Aromatic Hydrocarbons (mg/kg) EPA Method 8270D<sup>(1)</sup></b>																
Acenaphthylene	490	0.7	--	1.2	0.71	--	0.7	0.6	0.7	ND<0.5	ND<0.6	ND<0.5	ND<2.9	--	--	ND<0.7
Phenanthrene	960	2.6	--	2.2	2.8	--	2.7	1.9	1.4	ND<0.5	0.7	ND<0.5	ND<2.9	--	--	1.0
Anthracene	1,000	0.7	--	ND<0.5	1.3	--	0.7	0.7	ND<0.6	ND<0.5	ND<0.6	ND<0.5	ND<2.9	--	--	ND<0.7
Fluoranthene	960	5.6	--	4.6	12	--	4.1	7.0	2.7	ND<0.5	1.1	ND<0.5	ND<2.9	--	--	1.5
Pyrene	720	5.9	--	5.3	9.8	--	4.0	6.5	3.1	ND<0.5	1.3	ND<0.5	ND<2.9	--	--	1.8
Benzo[a]anthracene	1	2.9	--	2.8	3.5	--	1.8	4.2	1.5	ND<0.5	ND<0.6	ND<0.5	0.6	--	--	0.7
Chrysene	120	2.9	--	3.6	6.3	--	2.3	4.0	2.1	ND<0.5	0.7	ND<0.5	ND<2.9	--	--	1.0
Benzo[b]fluoranthene	1	2.8	--	2.1	3.3	--	1.2	3.1	1.1	ND<0.5	ND<0.6	ND<0.5	1.2	--	--	ND<0.7
Benzo[k]fluoranthene	12	2.3	--	2.6	3.3	--	1.7	2.5	1.4	ND<0.5	ND<0.6	ND<0.5	ND<2.9	--	--	ND<0.7
Benzo[a]pyrene	0.7	2.5	--	2.6	2.4	--	1.5	3.4	1.4	ND<0.5	ND<0.6	ND<0.5	1.1	--	--	ND<0.7
Indeno(1,2,3-cd)pyrene	1	0.6	--	1.4	1.3	--	0.6	1.9	0.8	ND<0.5	ND<0.6	ND<0.5	ND<0.6	--	--	ND<0.7
Dibenzo(a,h)anthracene	0.7	ND<0.5	--	0.6	0.68	--	ND<0.5	0.6	ND<0.6	ND<0.5	ND<0.6	ND<0.5	ND<2.6	--	--	ND<0.7
Benzo(g,h,i)perylene	960	0.6	--	1.6	1.4	--	0.6	2.2	1.0	ND<0.5	ND<0.6	ND<0.5	0.7	--	--	ND<0.7
<b>Polychlorinated Biphenyls (mg/kg) EPA Method 8082<sup>(1)</sup></b>																
PCB-1260	1	ND<0.2	--	ND<0.2	--	ND<0.2	ND<0.2	--	ND<0.2	ND<0.2	0.6	0.2	ND<0.2	--	--	0.3

**NOTES:**

<sup>(1)</sup> Only analytes identified above detection limit are summarized.  
<sup>(2)</sup> New Hampshire Soil Remediation Standards from the Risk Characterization Management Policy Env-Or 606.19, Soil Remediation Criteria.  
 \* = The regulatory threshold for chromium VI was used because it is the most stringent standard for chromium.  
 M = Matrix spike recovery was outside the control limits of 75% - 125%. Matrix interference suspected.  
 NE = No regulatory guideline established  
 ND<0.1 = Not detected above quantitation limit (i.e. 0.2 mg/kg)  
 -- = Intentionally not sampled  
**Bold** Exceeds laboratory quantitation limit  
**Laboratory quantitation limit exceeds regulatory standard**  
**Exceeds NH DES Soil Remediation Standards.**

**TABLE 5  
ERNIE'S AUTO SALES PROPERTY  
180 EAST MAIN STREET - TILTON, NEW HAMPSHIRE**

**SUMMARY OF GROUNDWATER MONITORING WELL GAUGING AND GROUNDWATER ELEVATIONS**

<b>MONITORING WELL ID</b>	<b>WELL LOCATION</b>	<b>WELL DEPTH (ft bgs)</b>	<b><sup>(1)</sup> WELL ELEVATION (ft)</b>	<b>GROUND ELEVATION AT WELL (ft)</b>	<b><sup>(2)</sup> DEPTH TO GROUNDWATER (ft)</b>	<b><sup>(3)</sup> CALCULATED GROUNDWATER ELEVATION (ft)</b>	<b>LNAPL THICKNESS (ft)</b>
<b>Overburden Monitoring Wells</b>							
MW-1	In area of former waste oil UST	13.47	463.34	463.86	7.19	456.15	None Observed
MW-2	In suspected dump and fill area on south side of subject property	13.50	461.97	462.29	8.75	453.22	None Observed
MW-3	In area of former fueling island	13.50	462.96	463.43	6.88	456.08	None Observed
MW-5	Downgradient of garage building	13.48	461.94	462.29	6.55	455.39	None Observed
MW-7	In suspected dump and fill area on west side of subject property	13.40	460.83	461.30	6.06	454.77	None Observed

**Notes:**

<sup>(1)</sup> The highest point on the top of PVC casing was surveyed

<sup>(2)</sup> Groundwater levels gauged to top of PVC riser using an electronic water level meter.

<sup>(3)</sup> Groundwater Elevation = Ground Elevation at Well - (Ground Elevation at Well - Well Elevation) - Depth to Groundwater

Measured groundwater elevations shown on this table are different from bottom of soil boring exploration shown on soil boring logs.

LNAPL = Light non-aqueous phase liquid.

**TABLE 6**  
**ERNIE'S AUTO SALES PROPERTY**  
**180 EAST MAIN STREET - TILTON, NEW HAMPSHIRE**

**SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES**

Parameter	Regulatory Standard	Sample Location and Date						
	NH AGQS <sup>(2)</sup> (µg/L)	MW-1	MW-2	MW-3	MW-5	MW-7	DUP-MW	TRIP BLANK
		12/8/2010	12/8/2010	12/8/2010	12/8/2010	12/8/2010	12/8/2010	12/8/2010
<b>(1) Volatile Organic Compounds (ug/L) EPA Method 8260B</b>								
Xylene (m&p)	10,000	ND<2	ND < 2	ND<2	ND < 2	ND < 2	<b>2</b>	ND<2
Isopropylbenzene	800	ND<2	ND < 2	<b>3</b>	ND < 2	ND < 2	ND<2	ND<2
n-propylbenzene	260	<b>4</b>	ND < 2	<b>12</b>	ND < 2	ND < 2	<b>3</b>	ND<2
1,3,5-trimethylbenzene	330	<b>4</b>	ND < 2	ND < 2	ND < 2	ND < 2	<b>4</b>	ND<2
1,2,4-trimethylbenzene	330	<b>14</b>	ND < 2	<b>22</b>	ND < 2	ND < 2	<b>14</b>	ND<2
Sec-butylbenzene	260	<b>2</b>	ND < 2	<b>3</b>	ND < 2	ND < 2	<b>2</b>	ND<2
<b>Metals EPA Method 6010C (ug/L)</b>								
Arsenic	10	ND<8	<b>18</b>	--	<b>19</b>	ND<8	ND<8	--
Barium	2,000	ND<50	<b>140</b>	--	<b>60</b>	<b>170</b>	ND<50	--
Cadmium	5	ND<4	ND<4	--	ND<4	ND<4	ND<4	--
Chromium	100	ND<50	ND<50	--	ND<50	ND<50	ND<50	--
Lead	15	ND<8	ND<8	ND<8	ND<8	ND<8	ND<8	--
Mercury	2	ND<0.2	ND<0.2	--	ND<0.2	ND<0.2	ND<0.2	--
Selenium	50	ND < 50	ND<50	--	ND<50	ND<50	ND<50	--
Silver	100	ND < 7	ND<7	--	ND < 7	ND<7	ND<7	--
<b>(1) Polycyclic Aromatic Hydrocarbons (ug/L) EPA Method 8270D</b>								
Naphthalene	20	ND < 0.5	<b>1.1</b>	--	ND < 0.5	ND<0.5	ND < 0.5	--

**NOTES:**

<sup>(1)</sup> Only analytes above detection level are summarized.

<sup>(2)</sup> New Hampshire Code of Administrative Rules Ambient Groundwater Quality Standards (AGQS), effective July 23, 2008.

NE = No regulatory guideline established.

ND<0.2 = Not detected above quantitation limit (i.e. 0.2 ug/L).

NS = Not Sampled.

**Bold** Exceeds laboratory quantitation limit.

Exceeds NHDES Ambient Groundwater Quality Standards.

**TABLE 7  
ERNIE'S AUTO SALES PROPERTY  
180 EAST MAIN STREET - TILTON, NEW HAMPSHIRE**

**SUMMARY OF ANALYTICAL RESULTS FOR POTENTIAL PCB-CONTAINING BULK PRODUCT SAMPLES**

Parameter	Regulatory Standard	Building Materials Sample Identification Number, Date, and Description			
	PCB Bulk Product Waste <sup>(2)</sup> (mg/kg)	BM-1 12/8/2010	BM-2 12/8/2010	BM-3 12/8/2010	BM-4 12/8/2010
		Cottage Exterior White Paint	Garage Interior Pink Paint	Cottage Mastic Under Linoleum Tiles On Wall	Cottage Blue Paint On Rear Door
<b>(1) Polychlorinated Biphenyls (mg/kg) EPA Method 8082</b>					
Aroclor 1016	-	ND<0.2	<b>2.2</b>	ND<0.1	ND <0.2
Aroclor 1254	-	<b>0.5</b>	ND <0.2	<b>0.5</b>	<b>2.5</b>
Aroclor 1260	-	ND<0.2	ND <0.2	ND<0.1	<b>2.4</b>
<b>TOTAL PCBs</b>	<b>50</b>	<b>0.5</b>	<b>2.2</b>	<b>0.5</b>	<b>4.9</b>

**NOTES:**

<sup>(1)</sup> Only those PCB aroclors identified above detection limit are summarized .

<sup>(2)</sup> 40 CFR 761.3

PCB = Polychlorinated biphenyl

ND<0.1 = Not detected above quantitation limit (i.e. 0.1 mg/kg)

**Bold** = Exceeds laboratory quantitation limit

Exceeds Federal Regulatory Standard



**TABLE 8  
ERNIE'S AUTO SALES PROPERTY  
180 EAST MAIN STREET - TILTON, NEW HAMPSHIRE  
SUMMARY OF DUPLICATE SAMPLE ANALYSES**

Parameter	NHDES Threshold <sup>(1)</sup>	Quantitation Limit (mg/kg) or (ug/L)	5x Quantitation Limit	Sample <sup>(2)</sup>	Duplicate	Relative Percent Difference
<b>VOCs</b>						
<b>DUP-SS; duplicate of SS-4 0-2'</b>						
All parameters non-detect.						
<b>DUP-MW; duplicate of MW-1</b>						
1,2,4-trimethylbenzene	330	2	10	14	14	0.0%
All other parameters non-detect or below 5X quantitation limit						
<b>TPH</b>						
<b>DUP-SS; duplicate of SS-4 0-2'</b>						
All parameters non-detect.						
<b>DUP-MW; duplicate of MW-1</b>						
Not analyzed for TPH						
<b>Metals</b>						
<b>DUP-SS; duplicate of SS-4 0-2'</b>						
Arsenic	11	0.5	2.5	8.7	8.8	1.1%
Barium	1,000	3.0	15.0	61	69	12.3%
Chromium	130	3.0	15.0	21	20	4.9%
Lead	400	0.5	2.5	59	58	1.7%
All other parameters non-detect or below 5X quantitation limit						
<b>DUP-MW; duplicate of MW-1</b>						
All parameters non-detect.						
<b>PAHs</b>						
<b>DUP-SS; duplicate of SS-4 0-2'</b>						
Fluoranthene	960	0.5	2.5	4.6	2.7	52.1%
Pyrene	720	0.5	2.5	5.3	3.1	52.4%
All other parameters non-detect or below 5X quantitation limit						
<b>DUP-MW; duplicate of MW-1</b>						
All parameters non-detect.						
<b>PCBs</b>						
<b>DUP-SS; duplicate of SS-4 0-2'</b>						
All parameters non-detect.						
<b>DUP-MW; duplicate of MW-1</b>						
Not analyzed for PCBs						
<b>NOTES:</b>						
<sup>(1)</sup> New Hampshire Soil Remediation Standards Env-Or 606.19 or Env-Or 603.3 Ambient Groundwater Quality Standards.						
<sup>(2)</sup> Only analytes above detection level and five times the quantitation limit are summarized herein.						
NA - Not applicable						
NC - RPD Not calculated due to results being below five times the PQL						
NE - Not established						
ND - All analyte concentrations were below the analytical method practical quantitation limit						
Exceeds Relative Percent Difference quality control limit of 35% for samples as specified in the Generic QAPP						

**TABLE 9**  
**ERNIE'S AUTO SALES PROPERTY**  
**180 EAST MAIN STREET - TILTON, NEW HAMPSHIRE**

**LEAD-BASED PAINT SURVEY RESULTS**

Reading No.	XRF Meter Mode	Pass Fail Standard	Lead Concentration (mg/cm <sup>2</sup> )	+/-	Building	Interior or Exterior	Building Side	Component	Color
1	Standardization	PASS							
2	Lead Paint Inspection	Negative	0.07	0.06	garage	exterior	side a	door	white
3	Lead Paint Inspection	Positive	1.6	0.2	garage	exterior	side a	door	white
4	Lead Paint Inspection	Positive	1.07	0.07	garage	exterior	side a	door	white
5	Lead Paint Inspection	Negative	0	0	garage	exterior	side a	window sill	white
6	Lead Paint Inspection	Negative	0	0	garage	exterior	side a	window frame	white
7	Lead Paint Inspection	Negative	0	0	garage	exterior	side a	window frame	white
8	Lead Paint Inspection	Negative	0.07	0.04	garage	exterior	side a	sign	--
9	Lead Paint Inspection	Negative	0.02	0.02	garage	exterior	side a	sign	--
10	Lead Paint Inspection	Negative	0	0	garage	exterior	side a	window frame	white
11	Lead Paint Inspection	Negative	0	0	garage	exterior	side a	window frame	white
12	Lead Paint Inspection	Negative	0.01	0.02	garage	exterior	side b	window frame	white
13	Lead Paint Inspection	Negative	0	0	garage	exterior	side d	rear door	white
14	Lead Paint Inspection	Negative	0.67	0.07	cottage	exterior	side a	siding center	white
15	Lead Paint Inspection	Positive	1.29	0.15	cottage	exterior	side a	siding right	white
16	Lead Paint Inspection	Positive	1.96	0.22	cottage	exterior	side a	siding right	white
17	Lead Paint Inspection	Negative	0.72	0.07	cottage	exterior	side a	trim right	blue
18	Lead Paint Inspection	Negative	0.05	0.02	cottage	exterior	side a	trim right	blue
19	Lead Paint Inspection	Negative	0	0	cottage	exterior	side a	trim center	blue
20	Lead Paint Inspection	Positive	3.29	0.51	cottage	exterior	side a	trim left	blue
21	Lead Paint Inspection	Positive	2.55	0.21	cottage	exterior	side a	trim left	blue
22	Lead Paint Inspection	Positive	1.59	0.23	cottage	exterior	side a	white siding	white
23	Lead Paint Inspection	Negative	0.68	0.13	cottage	exterior	side d	siding	white
24	Lead Paint Inspection	Positive	1.27	0.14	cottage	exterior	side d	siding	white
25	Standardization	PASS							
26	Lead Paint Inspection	Positive	1.02	0.09	cottage	exterior	side d	trim	blue
27	Lead Paint Inspection	Positive	2.17	0.29	cottage	exterior	side c	siding	white
28	Lead Paint Inspection	Negative	0.11	0.05	cottage	exterior	side c	trim	blue
29	Lead Paint Inspection	Negative	0.22	0.06	cottage	exterior	side b	siding	white
30	Lead Paint Inspection	Negative	0.81	0.07	cottage	exterior	side b	siding	white
31	Lead Paint Inspection	Negative	0.55	0.08	cottage	exterior	side b	siding	white
32	Lead Paint Inspection	Positive	2.27	0.3	cottage	exterior	side b	siding	white
33	Lead Paint Inspection	Negative	0.02	0.02	cottage	interior	--	trim	pale
34	Lead Paint Inspection	Negative	0.01	0	cottage	interior	--	trim	pale
35	Lead Paint Inspection	Negative	0.02	0.02	cottage	interior	--	trim and door	black
36	Lead Paint Inspection	Negative	0.02	0.02	cottage	interior	--	trim and door	black
37	Lead Paint Inspection	Negative	0.83	0.08	cottage	interior	--	trim and door	black
38	Lead Paint Inspection	Positive	1.5	0.24	cottage	interior	--	trim and door	black
39	Lead Paint Inspection	Negative	0.79	0.1	cottage	interior	--	trim and door	black
40	Lead Paint Inspection	Negative	0	0	cottage	interior	--	wall	pale
41	Lead Paint Inspection	Negative	0.01	0.02	cottage	interior	--	wall	pale
42	Lead Paint Inspection	Negative	0	0	cottage	interior	--	wall	pale
43	Lead Paint Inspection	Negative	0.01	0.01	cottage	interior	--	wall	pale
44	Lead Paint Inspection	Negative	0	0	cottage	interior	--	wall	white
45	Lead Paint Inspection	Negative	0	0	cottage	interior	--	wall	white
46	Lead Paint Inspection	Negative	0.01	0.01	cottage	interior	--	wall	white
47	Lead Paint Inspection	Positive	1	0.21	garage	exterior	--	old siding	white
48	Standardization	PASS					--		
49	Lead Paint Inspection	Negative	0.02	0.02	garage	exterior	--	old siding	blue
50	Lead Paint Inspection	Positive	1	0.03	garage	exterior	--	old siding	blue
51	Lead Paint Inspection	Negative	0	0	garage	interior	--	wall	white
52	Lead Paint Inspection	Negative	0	0	garage	interior	--	wall	white
53	Lead Paint Inspection	Negative	0.18	0.13	garage	interior	--	front door	--
54	Lead Paint Inspection	Positive	1.4	0.18	garage	interior	--	front door	--
55	Lead Paint Inspection	Negative	0	0	garage	interior	--	wall	pink
56	Lead Paint Inspection	Negative	0	0	garage	interior	--	wall	pink
57	Lead Paint Inspection	Negative	0	0	garage	interior	--	wall	pink
58	Lead Paint Inspection	Positive	1.73	0.25	garage	interior	--	garage wall	black
59	Lead Paint Inspection	Negative	0	0	garage	interior	--	garage wall	p-board
60	Lead Paint Inspection	Negative	0	0	garage	interior	--	garage wall	wood
61	Lead Paint Inspection	Negative	0.01	0	garage	interior	--	garage wall	wood
62	Lead Paint Inspection	Negative	0	0	garage	interior	--	garage wall	p-board
63	Lead Paint Inspection	Positive	3.15	0.41	garage	interior	--	garage wall	black
64	Lead Paint Inspection	Positive	3.6	0.7	garage	interior	side a	garage door	--
65	Lead Paint Inspection	Negative	0.1	0.1	garage	interior	side a	garage wall	white

**NOTES:**

XRF = X-Ray fluorescence

+/- = Probable variation

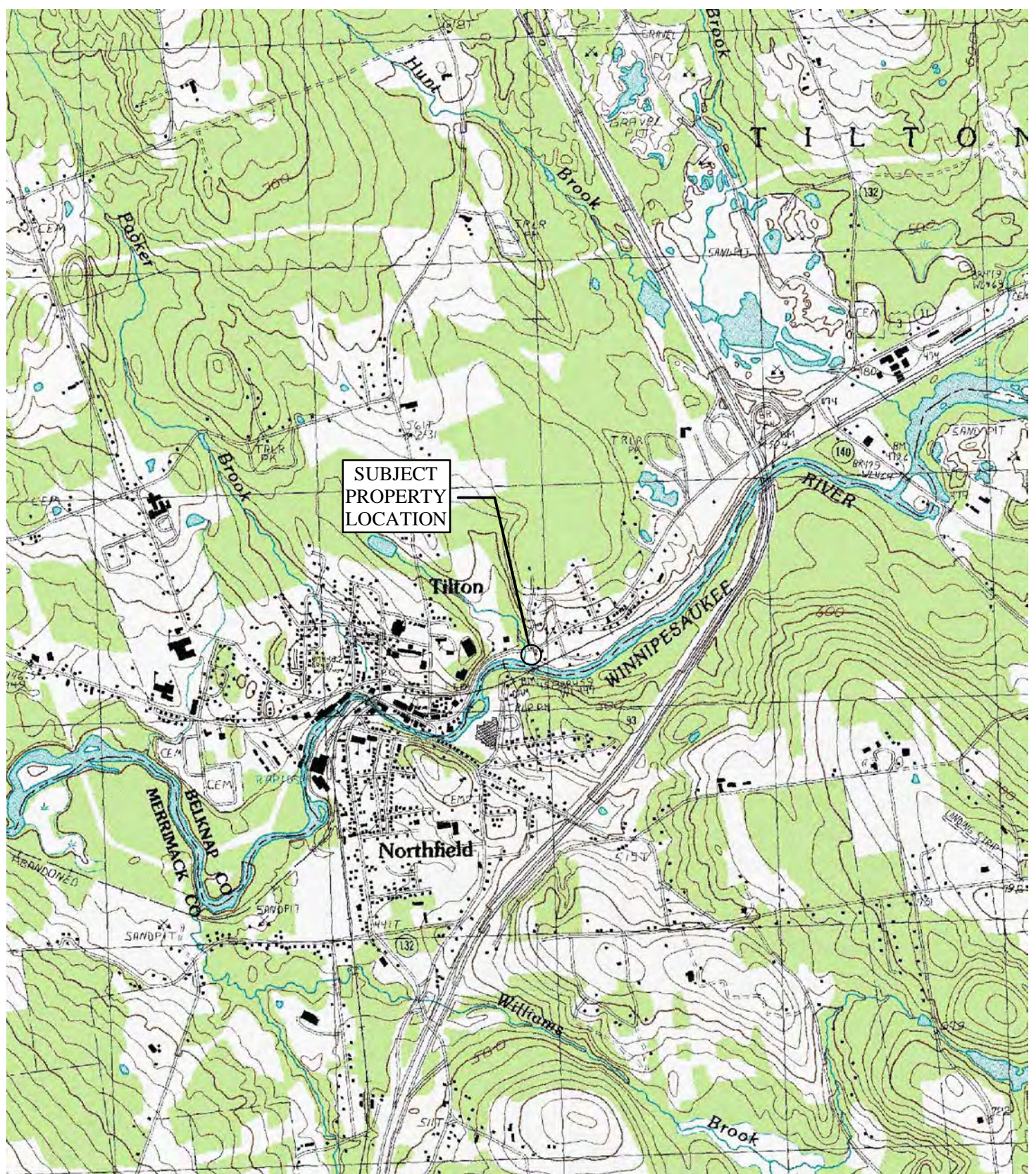
-- = Side not identified because surface is easily identifiable within building

Positive = Lead concentration > 1.0 mg/cm<sup>2</sup>

## FIGURES

Figure 1 .....	Site Location Map
Figure 2 .....	Detailed Site Plan
Figure 3 .....	December 8, 2010 Groundwater Contour Plan
Figure 4 .....	Updated Conceptual Site Model





USGS 7.5 MINUTE NORTHFIELD, NH QUADRANGLE (1987)

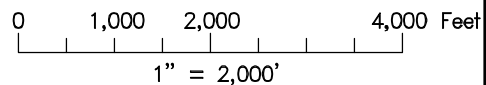
DRAWN BY: SWC DATE: 8/30/10  
 CHECKED BY: RSV/JSS PROJECT: 10001087

### FIGURE 1 - SITE LOCATION MAP



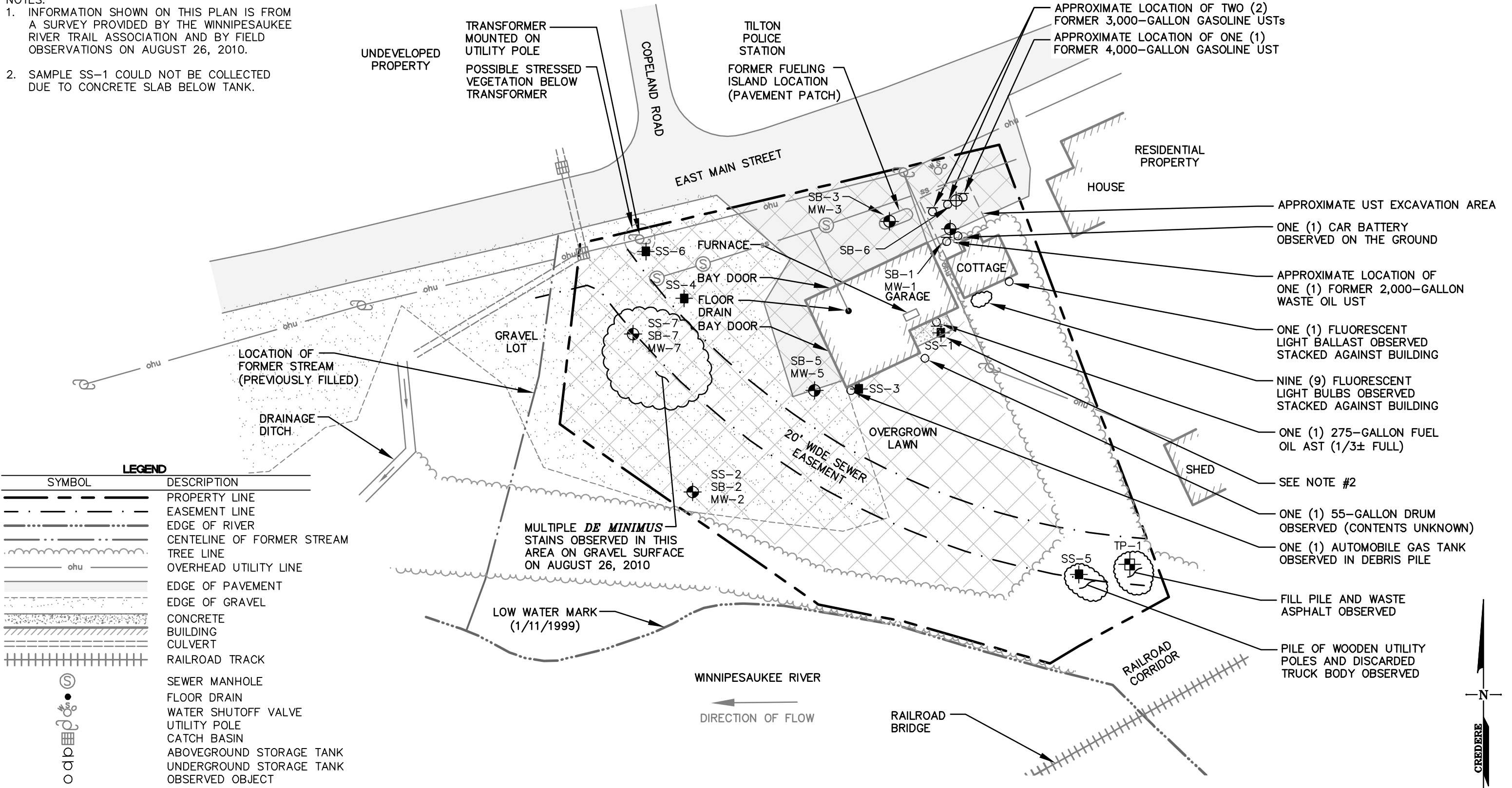
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ERNIE'S AUTO  
 SALES PROPERTY  
 180 EAST MAIN STREET  
 TILTON, NH  
 NHDES #199311019



**NOTES:**

1. INFORMATION SHOWN ON THIS PLAN IS FROM A SURVEY PROVIDED BY THE WINNIPESAUKEE RIVER TRAIL ASSOCIATION AND BY FIELD OBSERVATIONS ON AUGUST 26, 2010.
2. SAMPLE SS-1 COULD NOT BE COLLECTED DUE TO CONCRETE SLAB BELOW TANK.



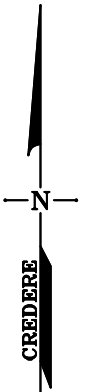
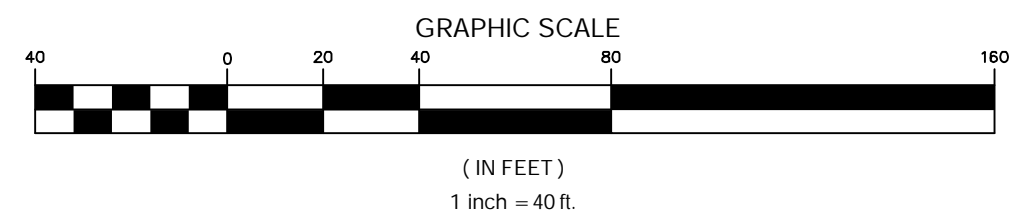
LEGEND	
SYMBOL	DESCRIPTION
	PROPERTY LINE
	EASEMENT LINE
	EDGE OF RIVER
	CENTELINE OF FORMER STREAM
	TREE LINE
	OVERHEAD UTILITY LINE
	EDGE OF PAVEMENT
	EDGE OF GRAVEL
	CONCRETE
	BUILDING
	CULVERT
	RAILROAD TRACK
	SEWER MANHOLE
	FLOOR DRAIN
	WATER SHUTOFF VALVE
	UTILITY POLE
	CATCH BASIN
	ABOVEGROUND STORAGE TANK
	UNDERGROUND STORAGE TANK
	OBSERVED OBJECT
	SOIL BORING/MONITORING WELL LOCATION
	SOIL BORING LOCATION
	SURFICIAL SOIL SAMPLE LOCATION
	TEST PIT LOCATION
	LIMIT OF GROUND PENETRATING RADAR SURVEY CONDUCTED ON DECEMBER 2, 2010

DRAWN BY: SWC    DATE: 8/31/10  
 CHECKED BY: RSV/JSS    PROJECT: 10001087

Credere Associates, LLC  
 776 Main Street  
 Westbrook, Maine 04092  
 Tel. (207) 828-1272  
 Fax (207) 887-1051  
 www.credereinc.com

**FIGURE 2  
 DETAILED SITE PLAN**

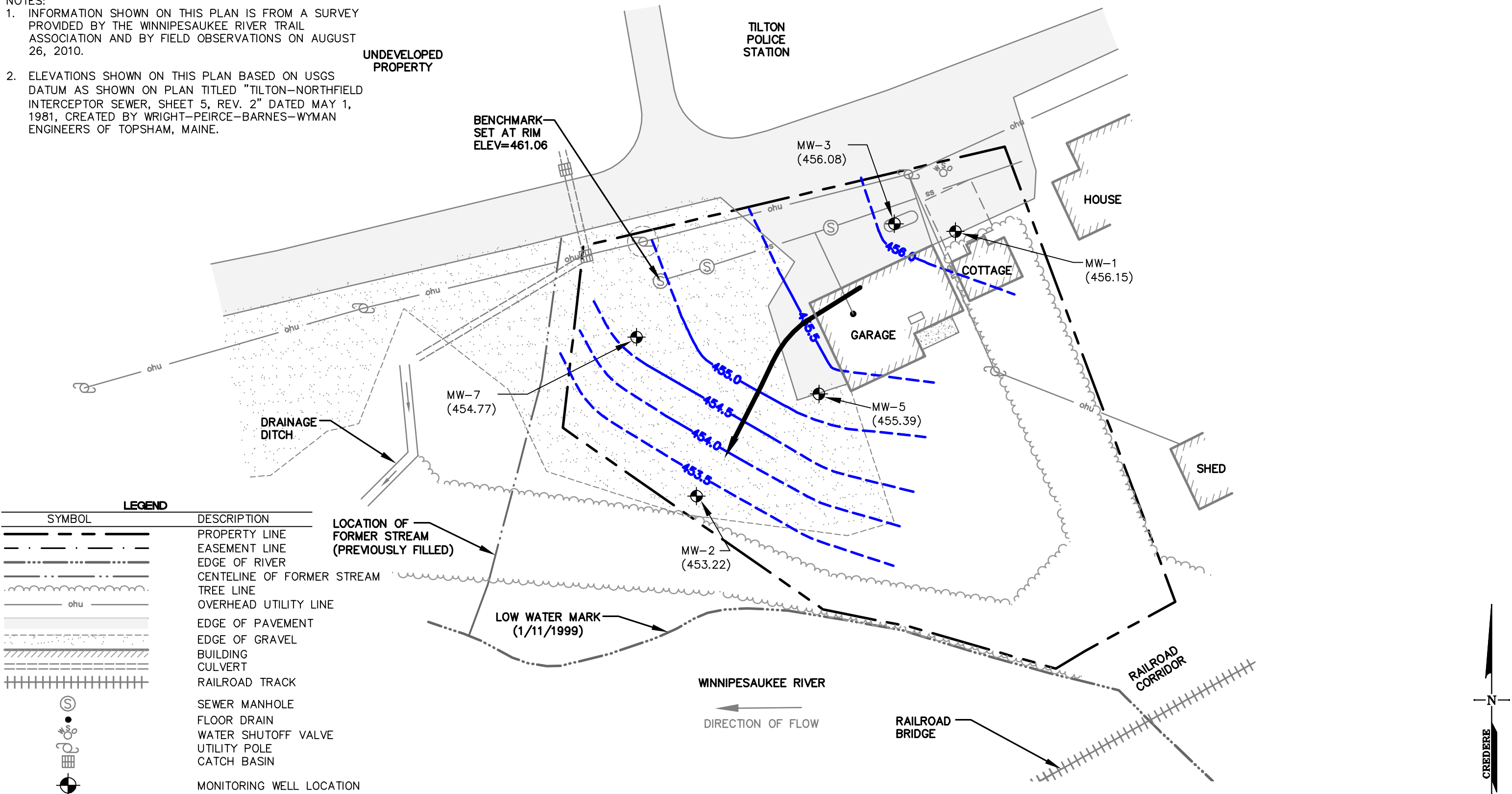
ERNIE'S AUTO SALES PROPERTY  
 180 EAST MAIN STREET  
 TILTON, NH  
 NHDES #199311019



**NOTES:**

1. INFORMATION SHOWN ON THIS PLAN IS FROM A SURVEY PROVIDED BY THE WINNIPESAUKEE RIVER TRAIL ASSOCIATION AND BY FIELD OBSERVATIONS ON AUGUST 26, 2010.

2. ELEVATIONS SHOWN ON THIS PLAN BASED ON USGS DATUM AS SHOWN ON PLAN TITLED "TILTON-NORTHFIELD INTERCEPTOR SEWER, SHEET 5, REV. 2" DATED MAY 1, 1981, CREATED BY WRIGHT-PEIRCE-BARNES-WYMAN ENGINEERS OF TOPSHAM, MAINE.



SYMBOL	DESCRIPTION
	PROPERTY LINE
	EASEMENT LINE
	EDGE OF RIVER
	CENTELINE OF FORMER STREAM
	TREE LINE
	OVERHEAD UTILITY LINE
	EDGE OF PAVEMENT
	EDGE OF GRAVEL
	BUILDING
	CULVERT
	RAILROAD TRACK
	SEWER MANHOLE
	FLOOR DRAIN
	WATER SHUTOFF VALVE
	UTILITY POLE
	CATCH BASIN
	MONITORING WELL LOCATION
	CALCULATED GROUNDWATER CONTOUR LINE
	ASSUMED GROUNDWATER CONTOUR LINE
	GROUNDWATER ELEVATION
	GROUNDWATER FLOW ARROW

DRAWN BY: SWC DATE: 8/31/10  
 CHECKED BY: RSV/JSS PROJECT: 10001087



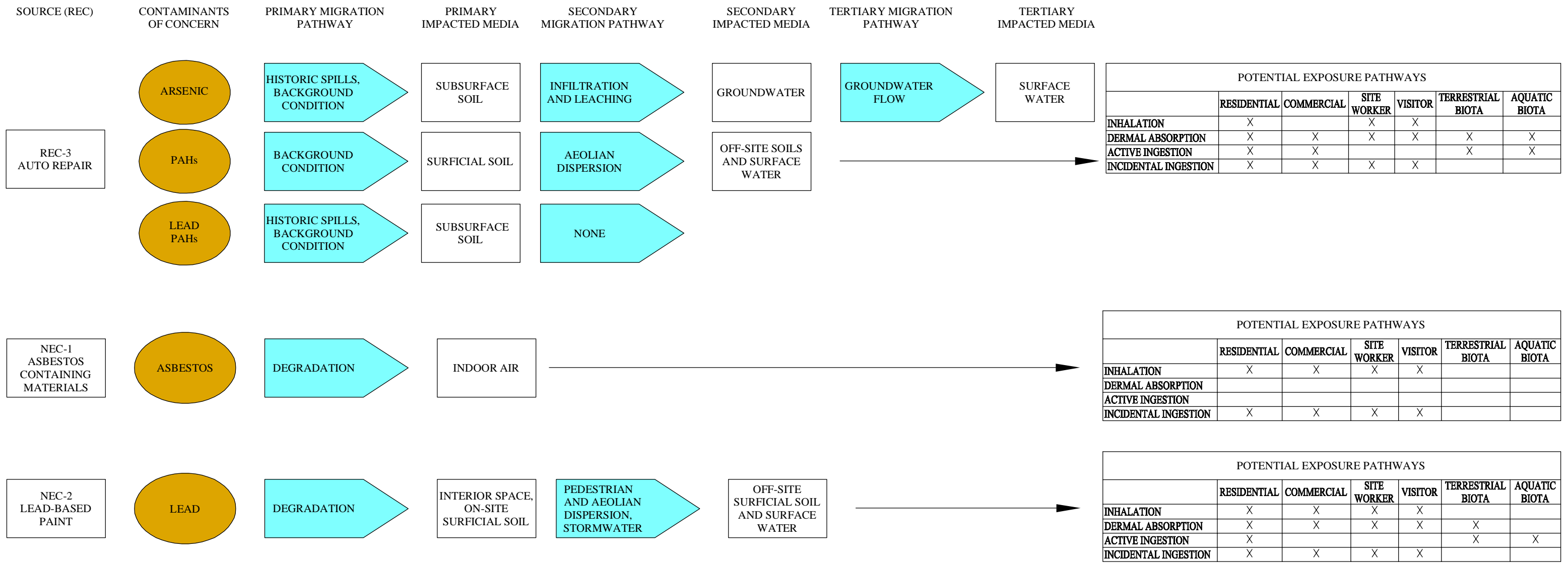
Creder Associates, LLC  
 776 Main Street  
 Westbrook, Maine 04092  
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 Fax (207) 887-1051  
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**FIGURE 3**  
 DECEMBER 8, 2010  
 GROUNDWATER CONTOUR  
 PLAN

ERNIE'S AUTO SALES PROPERTY  
 180 EAST MAIN STREET  
 TILTON, NH  
 NHDES #199311019



(IN FEET)  
 1 inch = 40 ft.



DRAWN BY: SWC      DATE: 4/15/11  
 CHECKED BY: RSV/JSS      PROJECT: 10001087



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**FIGURE 4**  
**UPDATED CONCEPTUAL SITE MODEL**

ERNIE'S AUTO SALES PROPERTY  
 180 EAST MAIN STREET  
 TILTON, NH  
 NHDES #199311019

## APPENDICES

Appendix A..... Site-Specific QAPP Addendum No. 11  
Appendix B..... Photographs  
Appendix C..... Soil Boring, Monitoring Well, Surficial Soil Sample, and Test Pit Logs  
Appendix D..... Groundwater Sampling Logs  
Appendix E..... Laboratory Analytical Results  
Appendix F..... Lead-Based Paint Survey Results  
Appendix G..... Asbestos Survey Report





**APPENDIX A**  
**SITE-SPECIFIC QAPP ADDENDUM NO. 11**



TITLE AND APPROVAL PAGE

SITE-SPECIFIC QUALITY ASSURANCE PROJECT PLAN  
ADDENDUM NO. 11 TO GENERIC QAPP RFA #08166 AND #09036

PHASE II ENVIRONMENTAL SITE INVESTIGATION


Ernie's Auto Sales Property  
180 East Main Street, Tilton, New Hampshire

Lakes Region Planning Commission's Brownfields Assessment Program  
USEPA Brownfields Grant # BF96111801  
NHDES #199311019

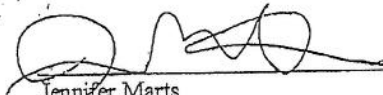
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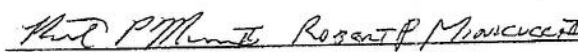
December 1, 2010


Below is a listing of the names, titles, signatures, and signature dates of officials approving this Site-Specific Quality Assurance Project Plan (SSQAPP):

  
\_\_\_\_\_  
Date 12/2/2010  
Jerry Minor-Gordon  
USEPA Brownfields Project Officer

  
\_\_\_\_\_  
Date 12/2/2010  
Tara J. Conlon  
USEPA Quality Assurance Officer

  
\_\_\_\_\_  
Date 12/2/10  
Jennifer Marts  
New Hampshire DES Project Manager

*for*   
\_\_\_\_\_  
Date 12/2/10  
Vincent R. Perelli  
New Hampshire DES QA Manager

  
\_\_\_\_\_  
Date 12/1/10  
Richard S. Vandenberg, CG, PG  
Credere Associates, LLC Project QA Manager

  
\_\_\_\_\_  
Date 12/1/10  
Robert I. Patten, PE, LEED-AP, LSP  
Credere Associates, LLC Project Manager

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## **APPENDICES**

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<b>Appendix A</b>	EPA SOP #2011 – Chip, Wipe, and Sweep Sampling
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## 1. INTRODUCTION

The Lakes Region Planning Commission (LRPC) has received a United States Environmental Protection Agency (USEPA) Brownfields Hazardous Substance Assessment Grant to conduct environmental investigations at sites within the 30 member communities of the Lake Winnepesaukee Region. The investigations provide the basis for reuse planning specific to each site's community needs. The assessment of each site will include the completion of Phase I and Phase II reports, and may also potentially include the development of cleanup and reuse options for selected sites.

On behalf of LRPC's Brownfields Assessment Program, this document is a Site-Specific Quality Assurance Project Plan (SSQAPP) Addendum for the Ernie's Auto Sales Property located at 180 East Main Street in Tilton, New Hampshire (the subject property). **Figure 1** shows the general location of the subject property in Tilton and **Figure 2** is a plan showing the locations of proposed subject property investigation and sampling work.

This SSQAPP presents the following information:

1. A summary of the pertinent findings of the Phase I Environmental Site Assessment (ESA)
2. The potential redevelopment scenario for the subject property
3. A conceptual site model
4. Credere's proposed sampling design including recommended sample locations, analytical methods, and schedule for a proposed subject property investigation
5. Regulatory standards applicable to the subject property
6. A proposed project schedule

This SSQAPP was prepared to be used in concert with Credere Associates, LLC (Credere) June 2008 Generic Quality Assurance Project Plan (QAPP) RFA #08166 and #09036 which was prepared for all of Credere's USEPA work in New Hampshire. The quality assurance and quality control (QA/QC) procedures outlined in Credere's Generic QAPP will be followed for this investigation program including sample collection, handling, and analysis, chain of custody, data management and documentation, data validation, and data usability assessments. **Figure 3** shows the project organization chart for the project team.



## 2. FINDINGS OF THE PHASE I ESA

A Phase I ESA was completed by Credere for the subject property in November 2010. The following represents the findings and recommendations from this report.

### 2.1 SUBJECT PROPERTY DESCRIPTION

The subject property is composed of one 0.8-acre parcel of land located at 180 East Main Street in Tilton, New Hampshire and is situated adjacent to the Winnepesaukee River. The subject property is currently occupied by a garage building and a cottage that are vacant and in disrepair. Both buildings were constructed prior to 1951, but the exact dates of construction are not known. The subject property is currently owned by the Anthony Turchin Estate. Although exact dates were not determined, the subject property was formerly operated as gas station from approximately 1939 until the 1970s. An automobile body shop, used automobile repair shop, automobile salvage yard, used automotive sales, and a U-Haul truck rental business have also reportedly occupied the subject property.

The developed portions of the subject property which are not covered by the above-mentioned structures are occupied by asphalt-paved and gravel parking areas, and an overgrown lawn and vegetated area located along the eastern and southern property lines. The subject property is bound to the east by a residential property, to the south by the Winnepesaukee River, to the west by a vacant gravel lot, and to the north by the Tilton Police Department.

One (1) heating oil above ground storage tank (AST) was observed outside on the south side of the garage building. According to available records, two (2) 3,000-gallon and one (1) 4,000-gallon gasoline underground storage tanks (UST) and one (1) 2,000-gallon waste oil UST were removed from the subject property in 1993.

Potable water is provided to the subject property by the Tilton-Northfield Water District. The water service is located between East Main Street and the north side of the buildings. According to representatives of the Tilton-Northfield Water District, all properties in the vicinity of the subject property are served by the public water supply. The subject property was connected to the municipal sewer system in 1983. Prior to connection, the wastewater disposal method is unknown, though the subject property likely discharged wastewater to an on-site septic system. Electricity is available to the subject property via overhead lines from Public Services of New Hampshire. Heat is provided to the subject property by a forced hot air heating system which is serviced by a fuel oil-fired furnace located in the garage building. Surficial observations indicate that heat was provided to the cottage building via ducts from the same furnace.

**Figure 1** locates the subject property on the Northfield, New Hampshire 7.5 minute quadrangle prepared by the United States Geological Survey (USGS).

## 2.2 RECORD REVIEWS AND INTERVIEWS

Based on information obtained from our review of local, state, federal, and historic records, and our interviews with subject property contacts and local officials, the following summarizes the pertinent findings of the records review and interview portions of the Phase I ESA.

The earliest record found specifically for the subject property was a deed reference from May 3, 1939. The deed mentions the subject property was subdivided from the G.H. Tilton & Son Company property and sold to the Hampshire Oil Company by Elmer and Lillian Tilton. According to a 1929 Sanborn Map, the G.H. Tilton & Son Company was a paper box producing factory. The box factory was located approximately 400 feet west of the subject property.

It is assumed that the subject property was used as a petroleum distribution station after it was purchased by the Hampshire Oil Company. A letter dated 1967 from the Town of Tilton concerning filling within the Winnepesaukee River at the subject property mentions that the subject property was being used as a Gulf gas station at the time. A tax card dated January 5, 1978, indicated the use of the property as an auto repair and body shop, but not a gas station. It can therefore be inferred that the use of the subject property as a gas station was ceased sometime between 1967 and 1978. The same tax card indicated that the garage contained an oil furnace, a wood stove, and a hydraulic lift.

The Iona Savings Bank acquired the subject property in 1981 and then sold it to Anthony Turchin in 1982. According to a taxpayer's appeal form submitted in 1992, the owner states that the subject property was subject to litigation for several years regarding allegations by the State of New Hampshire of potential pollution problems, thereby rendering the property substantially valueless. Further documentation of this claim was not obtained. A tax form dated 1992 indicated that the subject property was being used as a used car lot named Ernie's Used Cars by renter Ernest McPhail. Mr. McPhail reported in an interview that the subject property has been vacant since he stopped operating his business in approximately 2002.

There are no town records available indicating the date of construction of the current buildings, but the earliest aerial photograph available indicated that at least one building was present in 1951. It is assumed that the subject property was developed sometime between 1939 and 1951.

The subject property is listed on the New Hampshire Department of Environmental Services (NHDES) UST database as Facility ID #0114478. According to records, four (4) USTs were registered with the NHDES on August 11, 1993. Consistent with documents provided by the NHDES, two (2) 3,000-gallon and one (1) 4,000-gallon gasoline USTs, and one (1) 2,000-gallon waste oil UST were removed from the subject property on September 15, 1993. A sketch provided with the tank closure form indicated that the gasoline USTs were located under the pavement in the northeast corner of the subject property and that the waste oil UST was located next to the northeast corner of the garage building. The report indicated that groundwater was encountered during tank removal and that soil headspace screening with a photoionization detector (PID) identified a total volatile compound concentration of 165 parts per million



during tank removal. Approximately 30 cubic yards of contaminated soil were reportedly removed from the subject property and the UST graves were backfilled. According to the report, all four tanks had holes in them when they were removed. Three (3) soil samples and one (1) groundwater sample were collected during the tank removal activities. Soil samples from below the gasoline USTs were submitted for laboratory analysis of benzene, toluene, ethylbenzene, and xylene (BTEX), MTBE, and total petroleum hydrocarbons (TPH). The soil sample from below the waste oil UST was submitted for laboratory analysis of volatile organic compounds (VOCs) and TPH. The groundwater sample was submitted for laboratory analysis of BTEX, MTBE, and TPH. All soil and groundwater sample analytes were reportedly below the then applicable State regulatory standards or were not detected. It should be noted that the laboratory practical quantification limit for benzene and MTBE in groundwater were above the currently applicable State regulatory standard for those analytes. Additionally, the soil and groundwater samples were not analyzed for other contaminants of concern which are typically associated with gasoline and waste oil.

## **2.3 PERTINENT OBSERVATIONS**

### **2.3.1 Exterior Observations Recorded by Credere on August 26, 2010**

As depicted on **Figure 2**, the subject property consists of an irregularly shaped parcel of land. The buildings are located in the northeast portion of the subject property. Developed areas of the subject property near the buildings are occupied by asphalt-paved parking areas on the north and west sides of the buildings, gravel parking areas on the west side of the garage, and an overgrown lawn area on the south side of the buildings. A pavement patch where the former fueling island was reported to be located was observed on the north side of the buildings. The east and southern portions of the subject property are wooded along the property lines. The surrounding properties include a mix of residential, municipal, and commercial uses.

One (1) 275-gallon AST was observed adjacent to the southern exterior wall of the garage. The tank was observed to be corroded on the outside. There was no obvious surficial visual or olfactory evidence of a release from the AST. The concrete base below the tank was discolored, possibly indicative of a previous release of petroleum; however, the observed potential staining may have been the result of the previous day's rain event.

Several debris piles were observed throughout the subject property. A surficial visual inspection of these piles identified scrap metal, discarded automobile parts, plastic, tires, scrap wood, and general household refuse. One (1) discarded automobile gas tank was observed in the debris pile located outside of the southwestern corner of the garage. One (1) discarded pickup truck bed and one (1) pile of approximately 15 wooden utility pole sections were observed in the wooded southeastern portion of the subject property.

The southern portion of the subject property was observed from the surface to have been filled with material containing gravel, brick, cinder block, pavement, and concrete. A mound in the





southeast corner of the subject property appears to consist of similar fill material and waste asphalt.

One (1) electrical transformer was observed mounted on the utility pole located in the northwest portion of the subject property. Stressed vegetation was observed below the transformer. No labeling indicating the polychlorinated biphenyl (PCB) concentration, if any, of dielectric fluid contained within this transformer was observed.

### **2.3.2 Interior Observations Recorded by Credere on August 26, 2010**

One floor drain was observed in the garage bay. Though additional investigation is needed to determine the outfall of this floor drain, it is likely that it is connected to the municipal sewer system. Water leaking onto the floor from the collapsed roof prevented identification of staining around the floor drain. However, staining was observed on the floor in other areas of the garage bay. Multiple small volume automotive fluid containers were also observed in the garage bay. Though the subject property reportedly previously contained a hydraulic lift, no evidence of the use of hydraulic equipment was identified during the site visit.

The room adjacent to the garage bay contained shelves with multiple small volume automotive cleaning, lubricating, and maintenance fluid and aerosol containers.

No visual surficial evidence of bulk (individual containers greater than 50-gallons in volume) storage or a significant release of oil and/or hazardous materials was noted within observed interior portions of the garage.

Approximately five (5) five-gallon containers of unknown contents were observed in the cottage. Staining on the floor of the cottage was observed near the entrance. One (1) gas canister of unknown contents was observed near the entrance to the cottage.

No visual surficial evidence of bulk storage or a significant release of oil and/or hazardous materials was noted within observed interior portions of the cottage.

## **2.4 IDENTIFIED RECOGNIZED ENVIRONMENTAL CONDITIONS**

Based on the information obtained as a part of the previous Phase I ESA, the following recognized environmental conditions (RECs) were identified at the subject property:

- REC-1 – The former use of the subject property as a filling station between 1939 and the 1970s, past distribution, and past and present bulk storage of petroleum products (including a 275-gallon aboveground storage tank and a 55-gallon drum) may have resulted in releases of petroleum which may have impacted the environmental conditions of the subject property.
- REC-2 – A release of petroleum was discovered on September 16, 1993 during the closure of two (2) 3,000-gallon and one (1) 4,000-gallon gasoline USTs and one (1)

2,000-gallon waste oil UST. Though this release is considered by the New Hampshire Department of Environmental Services to be closed, this release represents a REC as impacted soil and/or groundwater may remain at the subject property.

- REC-3 – The former use of the subject property as an auto repair facility between the approximate dates of 1939 and 1978 represents a REC because hazardous materials and petroleum products were likely stored, used, and may have been disposed of on the subject property and may have impacted the environmental conditions of the subject property.
- REC-4 – At least one floor drain was observed within the garage bay with an unknown discharge point. This condition represents a REC because the drain is a potential conduit to the environment whereby releases of petroleum products and hazardous substances from former activities may have impacted the environmental conditions at the subject property.
- REC-5 – A suspected dump and fill area was observed along the southern portion of the subject property including items such as, but not limited to, urban fill, automobile parts, and utility pole sections. Petroleum products and/or hazardous substances associated with these materials may have been released and impacted the environmental conditions at the subject property.
- REC-6 – Stressed vegetation was observed below a pole mounted electrical transformer located along the northern subject property boundary. This condition represents a REC because it could be indicative of a release of petroleum-based and/or PCB-containing dielectric fluid that may have impacted the environmental conditions of the subject property.

Additionally, Credere identified three (3) *de minimis environmental conditions* (DMEC) at the subject property.

- DMEC-1 – Oil staining observed on the floor of the cottage represents a DMEC because it is evidence of a potential release; however, a pathway to the environment is not likely.
- DMEC-2 – Multiple small volume containers (less than 50-gallons each) of oil, gasoline, and automotive lubricants and cleaning materials represent a DMEC because of the poor conditions in which they were stored; however, a pathway to the environment is currently not likely.
- DMEC-3 – Multiple stains observed on the gravel parking lot represent a DMEC because they are evidence of limited surficial petroleum releases which may have impacted surficial soil at the subject property. However, based on observed conditions, it is not likely that these spills have significantly impacted environmental media at the subject property.



The following four (4) ASTM *Non-Scope environmental conditions* (NECs) were also noted during this Phase I ESA:

- NEC-1 – Based on the age of the subject property buildings, potential asbestos-containing materials may be present on the interior and exterior of the buildings.
- NEC-2 – Based on the age of the subject property buildings, lead-based paint may be present on the interior and exterior of the buildings.
- NEC-3 – Based on the age of the subject property buildings, PCB-containing bulk products may be present on the interior and exterior of the buildings.
- NEC-4 – Based on the condition of the subject property buildings and the collapsed roof of the garage, mold may be present in the buildings.



### **3. POTENTIAL REDEVELOPMENT SCENARIO**

The Tilton Conservation Commission, in conjunction with the Winnepesaukee River Trails Association, has a purchase and sale agreement to acquire the subject property and develop it into a trail head and parking lot for the existing riverfront trail system.



## 4. CONCEPTUAL SITE MODEL

The Conceptual Site Model (CSM) includes a description of source areas and/or recognized environmental concerns, the nature and extent of the identified or suspected releases, potential contaminants of concern, impacted media, transport mechanisms, and potential human and environmental receptors.

### 4.1 GEOLOGY, STORMWATER FLOW, AND GROUNDWATER FLOW

The subject property is located directly adjacent to the Winnepesaukee River in a developed area of Tilton, New Hampshire. According to the USGS, the surficial geology of the subject property consists of a layer of glacial till averaging approximately 35 feet deep over metamorphic bedrock. The water table is suspected to be between 8 and 20 feet below ground surface (bgs). The buildings at the subject property are currently unoccupied and the subject property is not used for residential, commercial, or recreational purposes. The anticipated future use of the subject property is recreational following the razing of the subject property buildings.

Topography at the subject property generally slopes in two directions. The north side of the subject property slopes gently to the northwest, while the south side tends to slope radially to the south and west. Stormwater on the north side of the subject property likely follows surficial topography resulting in a northwesterly flow that terminates at a catch basin located in the northwestern corner of the subject property. This catch basin reportedly discharges via a culvert into a drainage ditch. The ultimate outfall of this drainage ditch is the Winnepesaukee River. Stormwater on the south side of the subject property generally follows the topography radially to the south and west and flows directly into the Winnepesaukee River.

Although the localized topography slopes in two directions, it is likely that groundwater flows in a southerly direction towards the Winnepesaukee River. It should be noted that local groundwater flow may be highly varied due to precipitation events, stormwater runoff, infiltration/recharge, the presence of subsurface structures and utilities, and varying subsurface hydrogeologic conditions.

### 4.2 DEFINITIONS OF EXPOSURE PATHWAYS AND POTENTIAL RECEPTORS

To aid in a thorough understanding of the environmental concerns present at the subject property, a graphical presentation of the identified contaminants of concern and potential migration pathways to receptors is included as **Figure 4**. Exposure Pathways and Potential Receptors depicted on the CSM are defined below.

Exposure Pathways describe how a human or environmental receptor comes into contact with contaminants which may be present at the subject property. Exposure pathways presented in the CSM include the following:



- **Inhalation:** This pathway is primarily associated with groundwater contamination within 30 feet of an occupied structure when groundwater elevation is less than 15 feet below surface grade, or when depth to groundwater is unknown. In addition, this pathway is applicable when receptors may incidentally inhale impacted media in the form of dust, vapor, or airborne particulates.
- **Dermal Absorption:** Exposure via dermal absorption occurs when receptors are exposed to chemical concentrations present in soil, groundwater, or surface water through direct contact with the skin.
- **Active Ingestion:** The Active Ingestion pathway represents exposure which may occur through the active ingestion of contaminant concentrations via a drinking water supply well or through agricultural products.
- **Incidental Ingestion:** This pathway is applicable when receptors may incidentally ingest impacted media in the form of dust or airborne particulates.

Potential Receptors are categorized by duration of exposure and intensity of use at the subject property. The receptor categories described in the CSM include the following:

- **Resident:** The residential receptor is defined by high durational exposure and high intensity usage which may occur through gardening, digging, and recreational sports. This group includes the occupants of a residential property or a residential neighborhood.
- **Commercial:** Commercial receptors are those which are present at the subject property for long durations but with low intensity exposure such as indoor office workers.
- **Site Worker:** Site workers are present at the subject property for short durations though intensity of use is high, such as during non-routine activities including construction or utility work. Examples include outdoor commercial workers and construction workers.
- **Visitor:** Visitors are characterized by low duration, i.e. less than two hours per day, and low intensity usage such as that which would occur during activities such as walking, shopping, and bird watching.
- **Terrestrial and Aquatic Biota:** These receptors include flora and fauna which may be exposed to contaminants in their respective land-based or aquatic environments.



## 5. SAMPLING DESIGN

A sampling program was developed to confirm or dismiss the RECs and NECs identified during the Phase I ESA. The following describes the rationale for the Phase II investigation work that is necessary to evaluate the identified RECs and NECs identified in the Phase I ESA.

- REC-1: One (1) surficial soil sample will be collected from beneath the heating oil UST. Two (2) subsurface soil samples and one (1) groundwater sample will be collected from area of the former USTs. One (1) subsurface soil sample and one groundwater sample will be collected from the area of the former fueling island.
- REC-2: Two (2) subsurface soil samples and one (1) groundwater sample will be collected from the area of the former USTs.
- REC-3: Three (3) surficial soil samples, three (3) subsurface soil samples, and three (3) groundwater samples will be collected from certain areas of the subject property that may have been affected by the former use of the subject property as an automobile repair facility.
- REC-4: One (1) subsurface soil sample and one (1) groundwater sample will be collected at the terminus of the floor drain if it does not discharge to the municipal sewer system.
- REC-5: Five (5) surficial soil samples, three (3) subsurface soil samples, and one (1) groundwater sample will be collected from certain areas of the subject property that may have been affected by dumping and filling.
- REC-6: One (1) surficial soil sample will be collected from the area under the pole-mounted electrical transformer where stressed vegetation was observed.
- NEC-1: An asbestos survey will be conducted to identify asbestos containing materials within the subject property buildings.
- NEC-2: A lead-based paint survey will be conducted to identify lead-based paint on the subject property buildings.
- NEC-3: Up to five (5) suspect building material samples will be collected for laboratory analysis of PCBs.
- NEC-4: The subject property buildings are currently vacant and will be demolished. Therefore, a mold survey is not warranted.

Based on the above rationale, the Phase II field and investigation work will include the following activities:



1. A Ground Penetrating Radar (GPR) survey will be conducted over select portions of the subject property to identify subsurface structures (i.e. potential drums, tanks, and utilities).
2. Conduct one (1) test pit investigation to determine the nature of the fill pile located in the southeast corner of the subject property. Conduct additional test pit investigations if subsurface structures and/or USTs are identified during the GPR survey.
3. Removal of USTs, if present, and soil and/or groundwater sample collection from the tank grave(s), if necessary.
4. Investigation of the floor drains in the building to determine the discharge location and the collection of drain sediment samples and/or soil if there is a subsurface terminus on the subject property.
5. Advancing up to seven (7) soil borings and the installation of at least five (5) monitoring wells across the subject property, including the collection of soil and groundwater samples for laboratory analysis from each boring and monitoring well location.
6. Collection of seven (7) surficial soil samples for laboratory analysis.
7. Conduct asbestos containing materials and lead-based paint surveys of the subject property buildings.
8. Collection of up to five (5) potentially PCB-containing building material samples.

The data collected from these activities will serve as the basis for evaluating the subject property conditions and will determine if any additional subsurface investigation and/or remedial actions are necessary. **Figure 2** shows the proposed locations where media will be collected. **Table 1** through **Table 4** present summaries of the environmental sampling and laboratory analyses planned for the subject property.

Sampling will be conducted in accordance with the standard operating procedures (SOPs) included in Credere's June 2008 Generic QAPP (RFA#08166). **Table 1** through **Table 4** includes the number and type of samples that will be collected, cross referenced with the appropriate SOP that will be used from Credere's June 2008 QAPP. Requirements relative to Chain of Custody, Data Management and Documentation, Data Validation, and Data Usability Assessments contained in the Generic QAPP will be followed.





## 5.1 GPR SURVEY OF SELECTED AREAS

GPR will be used to locate subsurface structures that may be present on the subject property (REC-5). The extent of the proposed GPR survey areas are depicted on **Figure 2**. Dig Smart of Maine, Inc. (Dig Smart) will conduct the survey and will perform the work in accordance with the SOP provided in the generic QAPP.

## 5.2 TEST PIT INVESTIGATION

At least one (1) test pit (TP-1) will be excavated by hand in the area where the fill pile was observed in the southeast corner of the subject property (REC-5). Additional test pits may be excavated if subsurface structures are identified during the GPR survey. Conditions within the test pits will be visually assessed and soil will be field screened using a PID for total VOCs and an X-ray fluorescent meter (XRF) for arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver (RCRA 8 metals). Field screening methods are discussed in more detail in **Section 5.5**.

One (1) soil sample will be collected from TP-1 and submitted for laboratory analysis of VOCs, RCRA 8 metals, and polycyclic aromatic hydrocarbons (PAHs). If warranted based on visual assessment and field screening, additional soil samples will be collected from test pit TP-1 and/or additional test pits for laboratory analysis.

## 5.3 UNDERGROUND STORAGE TANKS

If USTs are discovered during the GPR survey (REC-1 and REC-2), the tanks will be managed in accordance with NHDES Code of Administrative Rules Env-Wm 1401. Any out of service and/or unregistered tanks that are discovered will be appropriately closed and/or removed so that soil samples can be collected from under and around each of the tanks. Subsurface soil samples will be collected from each excavation sidewall and the excavation bottom. All soil samples will be field screened with a PID and XRF. If the tank is known to have contained gasoline, the samples will be analyzed for TPH as gasoline range organics (GRO), VOCs, and lead. If the tank is known to have contained No. 2, 4, or 6 fuel oil or diesel fuel, the samples will be analyzed for VOCs, TPH as diesel range organics (DRO) and PAHs. If the tank is known to have contained waste oil, the samples will be analyzed for VOCs, TPH, PAHs, RCRA 8 metals, and PCBs. If the contents of the tank are unknown, then the contents of the tank will be assumed to have been waste oil.

If groundwater is encountered during the closure of a UST, a groundwater sample will be collected from the excavation following removal. If the tank is known to have contained gasoline, the sample will be submitted for laboratory analysis of VOCs and dissolved lead. If the tank is known to have contained No. 2, 4, or 6 fuel oil or diesel fuel, the sample will be analyzed for VOCs and PAHs. If the tank is known to have contained waste oil, the sample will be analyzed for VOCs, PAHs, and dissolved RCRA 8 metals. If the contents of the tank are unknown, then the contents of the tank will be assumed to have been waste oil.



## 5.4 FLOOR DRAIN INVESTIGATION

One (1) floor drain was identified in the garage bay (REC-4). The discharge location of the floor drain could not be determined during the Phase I ESA site reconnaissance. In order to locate the drain discharge, an electronic detection system will be used to trace each floor drain line to locate its path and terminus. If the floor drain discharges to the subsurface, soil boring/monitoring well SB-4/MW-4 will be installed adjacent to the identified discharge point. Based on PID and XRF field screening results and visual and olfactory observations, one soil sample from the soil boring which exhibits the highest field screening result, or the sample collected from the water table interface and analyzed for TPH, PAHs, VOCs, PCBs, and RCRA 8 metals. One groundwater sample will be collected using low flow sampling techniques and analyzed for VOCs, RCRA 8 metals, and PAHs.

If the floor drain outlets to the municipal sewer system, soil boring and monitoring well SB-4/MW-4 will not be installed.

## 5.5 SOIL SAMPLE COLLECTION AND LABORATORY ANALYSIS

At least seven (7) surficial soil samples will be collected from the subject property. Surficial soil samples SS-1, SS-3, SS-4, SS-5, and SS-6 will be collected using hand tools from 0 to 2-feet below ground surface (bgs). Surficial soil samples SS-2 and SS-7 will be collected during soil boring activities at soil boring locations SB-2 and SB-7, respectively, from the 0 to 2-foot bgs sample intervals. Where soil samples are collected from beneath asphalt paving, the sample will be collected from 0.5 to 2 feet bgs to prevent contamination of the sample from PAHs present in asphalt. Surficial soil samples will be submitted to an off-site laboratory for analysis in accordance with **Table 1**.

- Surficial soil sample SS-1 will be collected from the area under the heating oil AST located outside of the south side of the garage (REC-1).
- Surficial soil samples SS-2, SS-4, and SS-7 will be collected from certain locations along the south and west sides of the subject property in areas of suspected dumping and filling and areas which may have been affected by the former use of the subject property as an automobile repair facility (REC-3 and REC-5).
- Surficial soil sample SS-3 will be collected from the area under the automobile gasoline tank observed in a debris pile adjacent to the garage building (REC-5).
- Surficial soil sample SS-5 will be collected from the area of the discarded utility poles and truck body on the south side of the subject property (REC-5).
- Surficial soil sample SS-6 will be collected from the area under the pole-mounted electrical transformer located adjacent to East Main Street (REC-6).

Up to seven (7) soil borings will be advanced on the subject property using hollow stem auger technology. Each soil boring will be advanced to a depth of 7 feet into the groundwater table or to the depth of refusal (bedrock). During soil boring advancement, soil samples will be collected in 2-foot intervals and field screened in accordance with Credere's generic QAPP. The approximate level of groundwater in each boring will be recorded and the elevation of each well casing will be surveyed.

- Soil boring SB-1 will be located in the reported area of the former waste oil UST (REC-1, REC-2, and REC-3).
- Soil borings SB-2 and SB-7 will be located in areas of the subject property where dumping and filling may have occurred (REC-3 and REC-5).
- If it is determined that the floor drain discharges to the subsurface of the subject property, soil boring SB-4 will be installed at the location of the terminus of the floor drain outlet (REC-3 and REC-4). If it is determined that the floor drain outlets to the municipal sewer line, SB-4 will not be drilled.
- If soil boring SB-4 is not installed, or is installed in an area that does not represent a portion of the subject property potentially impacted by historic use as an automobile repair facility (REC-3), soil boring SB-5 will be located outside of the bay door on the west side of the garage. If SB-4 is installed in an area that represents a portion of the subject property that may have been impacted by REC-3, SB-5 will not be drilled.
- Soil boring SB-6 will be located in the reported area of the three (3) former gasoline USTs and soil boring SB-3 will be located in the reported area of the former fueling island (REC-1 and REC-2).

Proposed locations of soil borings are depicted on **Figure 2**.

Each collected soil sample will be field screened for total volatile compounds using a PID per NHDES Hazardous Waste & Remediation Bureau, Jar Headspace Technique for Field Screening Soil Samples, and for RCRA 8 metals using an XRF per Maine DEP SOP DR#024 and Maine DEP SOP DR# 025 and USEPA method 6200 (included in the June 2008 Generic QAPP). The use of the XRF and PID are for field screening purposes only. The purpose of using PID and XRF analysis is to provide real-time estimates of total VOCs and RCRA 8 metals concentrations.

Based on PID and XRF field screening results and visual and olfactory observations, one soil sample from each soil boring which exhibits the highest field screening result, or the sample collected from the water table interface, will be submitted to an off-site laboratory for analysis in accordance with **Table 2**.

Where soil field screening and/or the GPR survey indicate the presence of additional source areas or potentially impacted soils, additional soil borings or surficial soil samples may be collected in the vicinity to determine the horizontal and/or vertical extent of contamination. The



number and locations of these additional soil samples will be dependent on field data, site constraints, and professional judgment. All decisions regarding delineation will be recorded in the field logbook, and all locations will be documented. All soil samples obtained for the purposes of contamination delineation will be collected and field-analyzed in accordance with Credere's standard SOPs outlined on **Table 1** and **Table 2**. If Credere determines these additional sample locations should be tested for analytes not described in **Table 1** and **Table 2**, the USEPA QA Manager will be contacted, and pending the outcome of this communication, an email update will be provided to the USEPA describing the sample analysis, methods, and SOPs.

## 5.6 GROUNDWATER SAMPLING

Monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-5 will be installed in soil borings SB-1, SB-2, SB-3, SB-4, and SB-5, respectively. Monitoring wells MW-4 and MW-5 will only be installed if the respective soil borings are drilled (see **Section 5.5**). Proposed locations of monitoring wells are depicted on **Figure 2**. Each monitoring well will be developed, allowed to equilibrate for at least 48 hours, and then sampled using low-flow sampling techniques in accordance with NHDES SOP# HWRB-9 as included in the June 2008 Generic QAPP. Groundwater samples will be collected from each groundwater monitoring well and submitted for off-site laboratory analysis in accordance with **Table 3**.

## 5.7 ASBESTOS CONTAINING MATERIALS AND LEAD-BASED PAINT SURVEY

Suspect building materials will be sampled and tested prior to the redevelopment of the subject property. During the asbestos survey, asbestos samples will be collected from each suspect media (i.e. piping insulation, flooring tiles, ceiling tiles) (NEC-1). Asbestos samples will be submitted to a State approved laboratory for asbestos analysis by polarized light microscopy by USEPA 600/R-93/116. An SOP for the laboratory analysis was attached to SSQAPP Addendum No. 4.

The lead content of paint on the subject property buildings will be screened onsite using a portable XRF (NEC-2). The lead screening will not determine the suitability of the buildings for residential or child-occupied uses, but will be sufficient for contractor health and safety assessments during demolition. If the subject property buildings are to be used in the future as residences or child-occupied facilities, a formal lead survey should be conducted by a NHDES Certified Lead Inspector. **Table 4** includes a summary of the asbestos and lead sampling methodology.

## 5.8 PCB-CONTAINING BULK PRODUCTS

Credere will inventory all suspect PCB-containing building materials at the subject property. Examples include paint, caulking, sealants, grout, mastic, glazing, and insulation. Consistent with this inventory and the results of previous investigations at similar sites, up to five (5) distinct matrices which are most likely to contain PCBs will be selected and one (1) sample from each of these matrices will be collected and analyzed for PCBs. The actual sample will be



collected from the matrix itself and no adjacent building materials (i.e. sheetrock or wood) will be included in the aliquot. This method will ensure that potentially regulated PCB concentrations are not diluted by unrelated materials. All building material samples will be collected in accordance with EPA SOPs #2011 and EIASOP\_PORO USSAMPLING1 as included in **Appendix A** and **Appendix B** of this SSQAPP Addendum.

Based on this approach, the materials which present the highest degree of potential risk will be assessed. If the inventory identifies greater than five significantly suspect matrices, additional sample collection and analysis may be warranted. This may be accomplished either through SSQAPP revision or a separate investigation.

The collected samples will be submitted for independent laboratory analysis in accordance with **Table 4**. Following the receipt of laboratory results, a determination can be made whether there is risk of regulated PCB building materials at the subject property and additional assessment, remediation, or no further action can be recommended.

## 5.9 MOLD

The subject property buildings area currently unoccupied and are slated for demolition. Therefore, mold surveys of the subject property buildings are not warranted at this time.



## 6. REGULATORY STANDARDS

Concentrations in soil samples will be compared to New Hampshire's Soil Remediation Standards detailed in NHDES Env-Or 600 Contaminated Site Management. Where guidelines are not available, soil concentrations will be compared to other appropriate regulatory standards and guidelines, e.g., USEPA Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, RSL Table Updated April 2009 for soil, and/or published background soil concentrations. If standards or guidelines do not exist, action levels will be triggered if the sample analytical results exceed background levels or naturally occurring ambient conditions.

Groundwater sample results will be compared to the New Hampshire Ambient Groundwater Quality Standards (AGQS) detailed in NHDES Env-Or 600 Contaminated Site Management and USEPA Maximum Contaminant Levels (MCLs) for Drinking Water. In the event that no AGQS or MCLs exist for a particular contaminant, results will be compared to the USEPA Region 9 RSLs.

Asbestos sampling will be completed in accordance with NHDES Certified Administrative Rule ENV-1800: Asbestos Management Control. Levels of asbestos greater than or equal to 1% by volume as determined by weight, visual evaluation, and/or point count analysis within representative bulk samples obtained from the subject property will result in the definition of such bulk materials as asbestos containing materials.

Concentrations of lead in paint as determined through the use of the XRF analyzer will be compared to the limit of 1.0 mg/cm<sup>2</sup> or 0.5% by weight. All construction work involving exposure or potential exposure to lead is covered by the Occupation Safety and Health Administration's Lead in Construction Standard 29 CFR 1926.62.

Window caulk which has been analyzed to contain concentrations of total PCBs equal to or in excess of 50 ppm is defined as a PCB bulk product waste in accordance with 40 CFR 761.3. These materials are regulated for disposal under 40 CFR 761.62. Window caulk that has been analyzed to contain total PCBs at a concentration of equal to or greater than 1 ppm but less than 50 ppm is not regulated for disposal as long as it remains in use. However, if this material is removed from use, it is subject to the disposal requirements of 40 CFR 761.61(a)(5)(v)(A). Window caulk which has been analyzed to contain total PCBs at a concentration of less than 1 ppm is unrestricted for future use and/or disposal.

Bulk materials which have been analyzed to contain total PCB concentrations equal to or in excess of 1 ppm as a result of contact with a PCB bulk product waste are defined as a PCB remediation waste in accordance with 40 CFR 761.3. These materials must be disposed of under a special approval which meets the requirements presented at 40 CFR 761.79(h). Bulk materials which have been analyzed to contain total PCBs at concentrations of less than 1 ppm are unrestricted for future use and/or disposal.



## 7. PROPOSED PROJECT SCHEDULE

The following schedule is proposed for the subject property Phase II investigation:

DATE	ACTION
December 1, 2010	Finalize SSQAPP
December 2, 2010	GPR Survey
December 7, 2010	Soil Boring, Soil Sample Collection, and Monitoring Well Installation
December 9, 2010	Groundwater Sampling, Lead-Paint Survey, Asbestos Survey, and PCB sampling
December 16, 2010	Receive Laboratory Analytical Data
January 14, 2011	Submit Draft Phase II ESA Report
February 4, 2011	Submit Final Phase II ESA Report

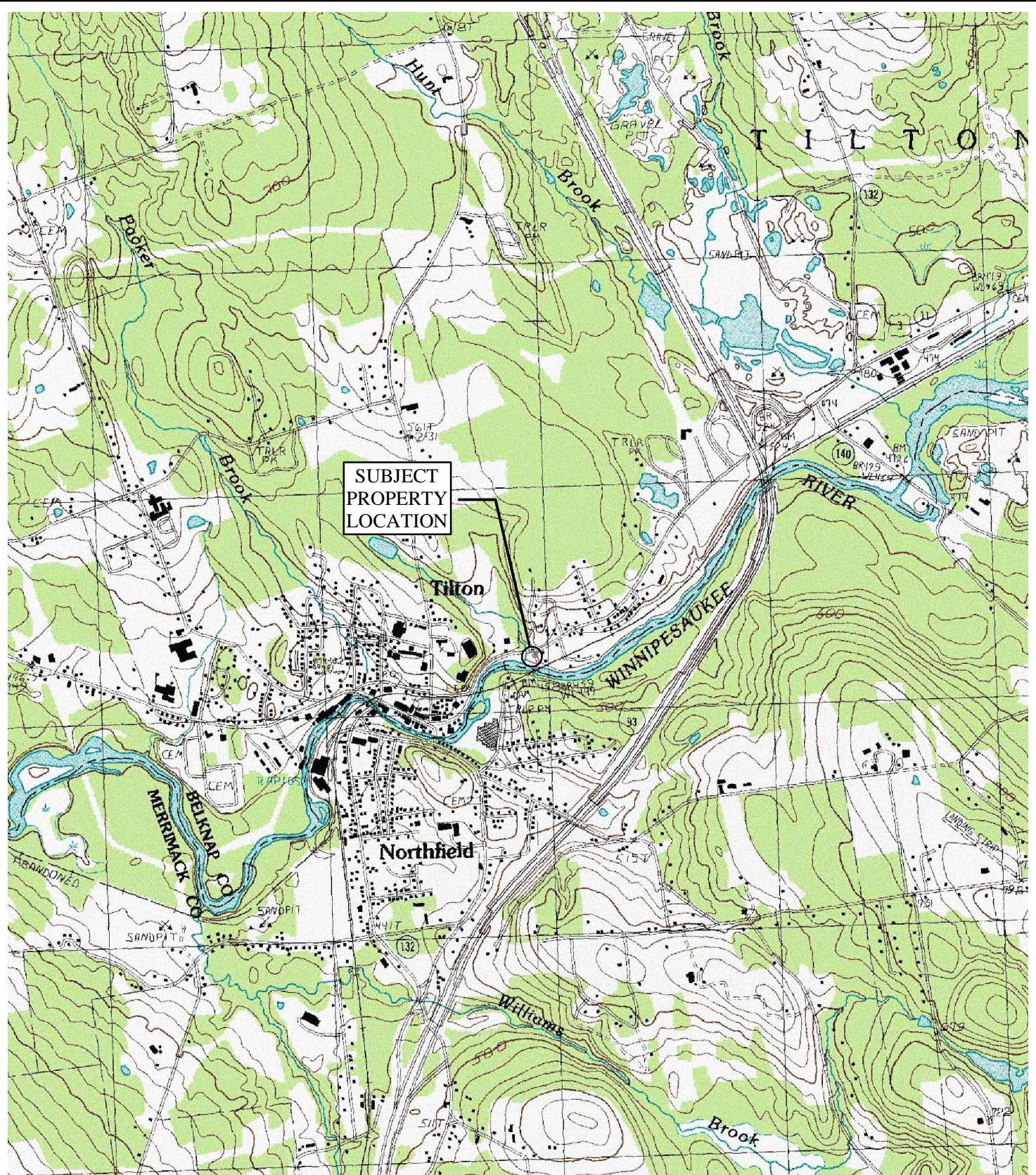


## FIGURES

**Figure 1** .....Site Location Map  
**Figure 2** .....Proposed Phase II Investigation Plan  
**Figure 3** ..... Credere Organization and Responsibility Chart  
**Figure 4** .....Conceptual Site Model







USGS 7.5 MINUTE NORTHFIELD, NH QUADRANGLE (1987)

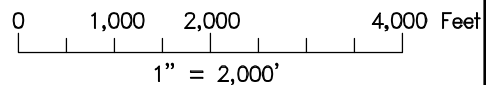
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 CHECKED BY: RSV/JSS PROJECT: 10001087

### FIGURE 1 - SITE LOCATION MAP

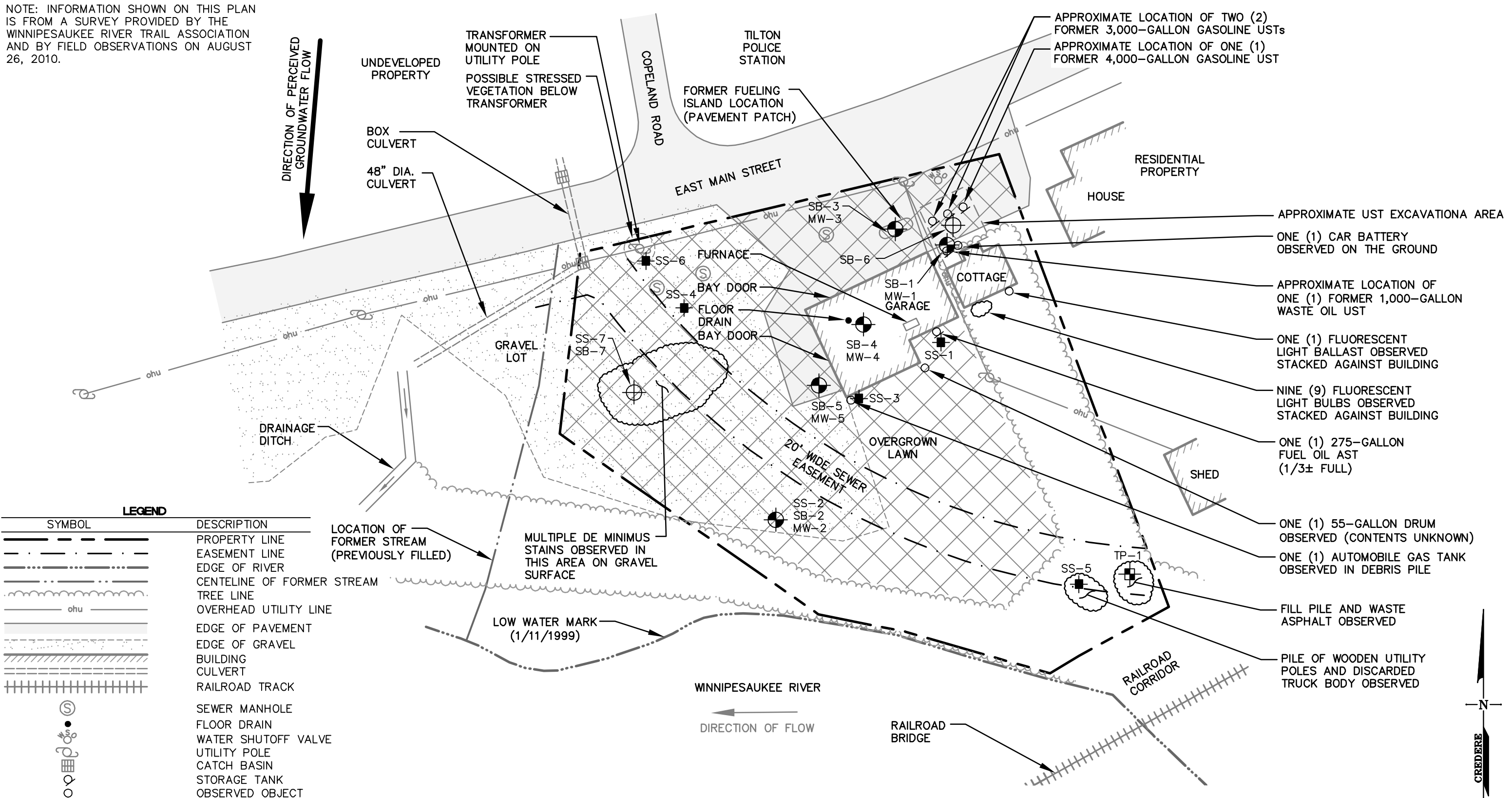


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TURCHIN ESTATE  
 180 EAST MAIN STREET  
 TILTON, NH  
 NHDES #199311019



NOTE: INFORMATION SHOWN ON THIS PLAN IS FROM A SURVEY PROVIDED BY THE WINNIPESAUKEE RIVER TRAIL ASSOCIATION AND BY FIELD OBSERVATIONS ON AUGUST 26, 2010.



LEGEND	
SYMBOL	DESCRIPTION
	PROPERTY LINE
	EASEMENT LINE
	EDGE OF RIVER
	CENTELINE OF FORMER STREAM
	TREE LINE
	OVERHEAD UTILITY LINE
	EDGE OF PAVEMENT
	EDGE OF GRAVEL
	BUILDING
	CULVERT
	RAILROAD TRACK
	SEWER MANHOLE
	FLOOR DRAIN
	WATER SHUTOFF VALVE
	UTILITY POLE
	CATCH BASIN
	STORAGE TANK
	OBSERVED OBJECT
	PROPOSED SOIL BORING/MONITORING WELL LOCATION
	PROPOSED SOIL BORING LOCATION
	PROPOSED SURFICIAL SOIL SAMPLE LOCATION
	PROPOSED TEST PIT LOCATION
	LIMIT OF PROPOSED GROUND PENETRATING RADAR SURVEY

DRAWN BY: SWC DATE: 8/31/10  
 CHECKED BY: RSV/JSS PROJECT: 10001087

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**FIGURE 2  
 PHASE II  
 INVESTIGATION PLAN**

ERNIE'S AUTO SALES PROPERTY  
 180 EAST MAIN STREET  
 TILTON, NH  
 NHDES #199311019

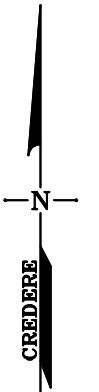
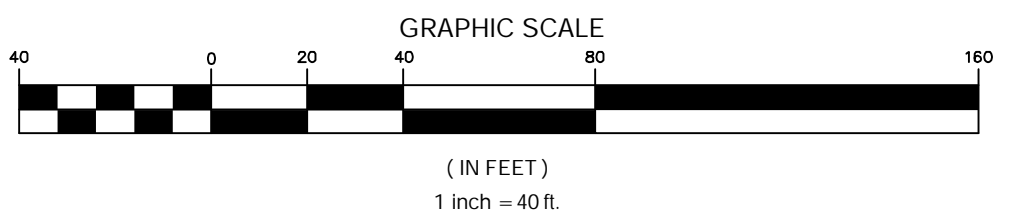
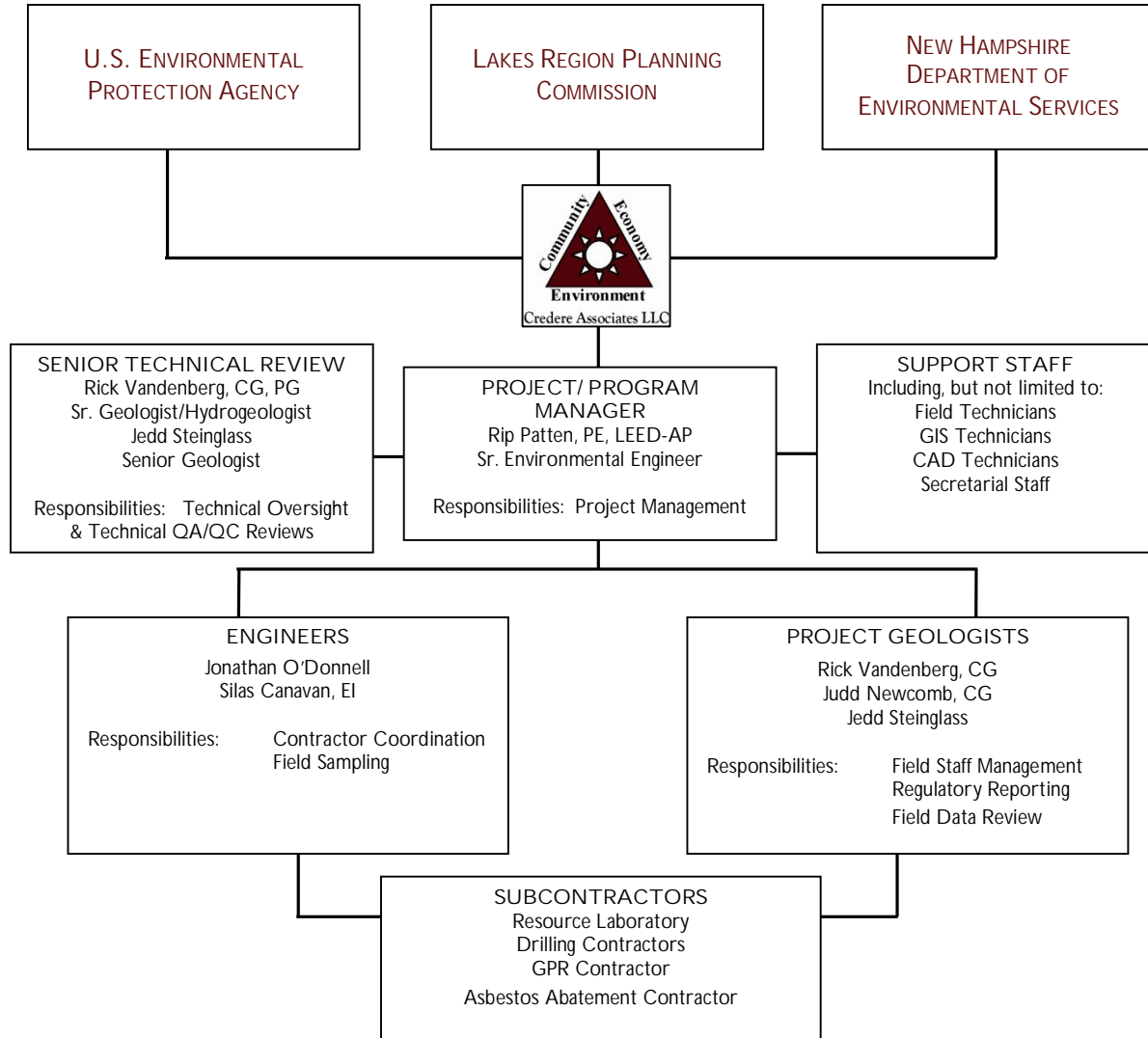
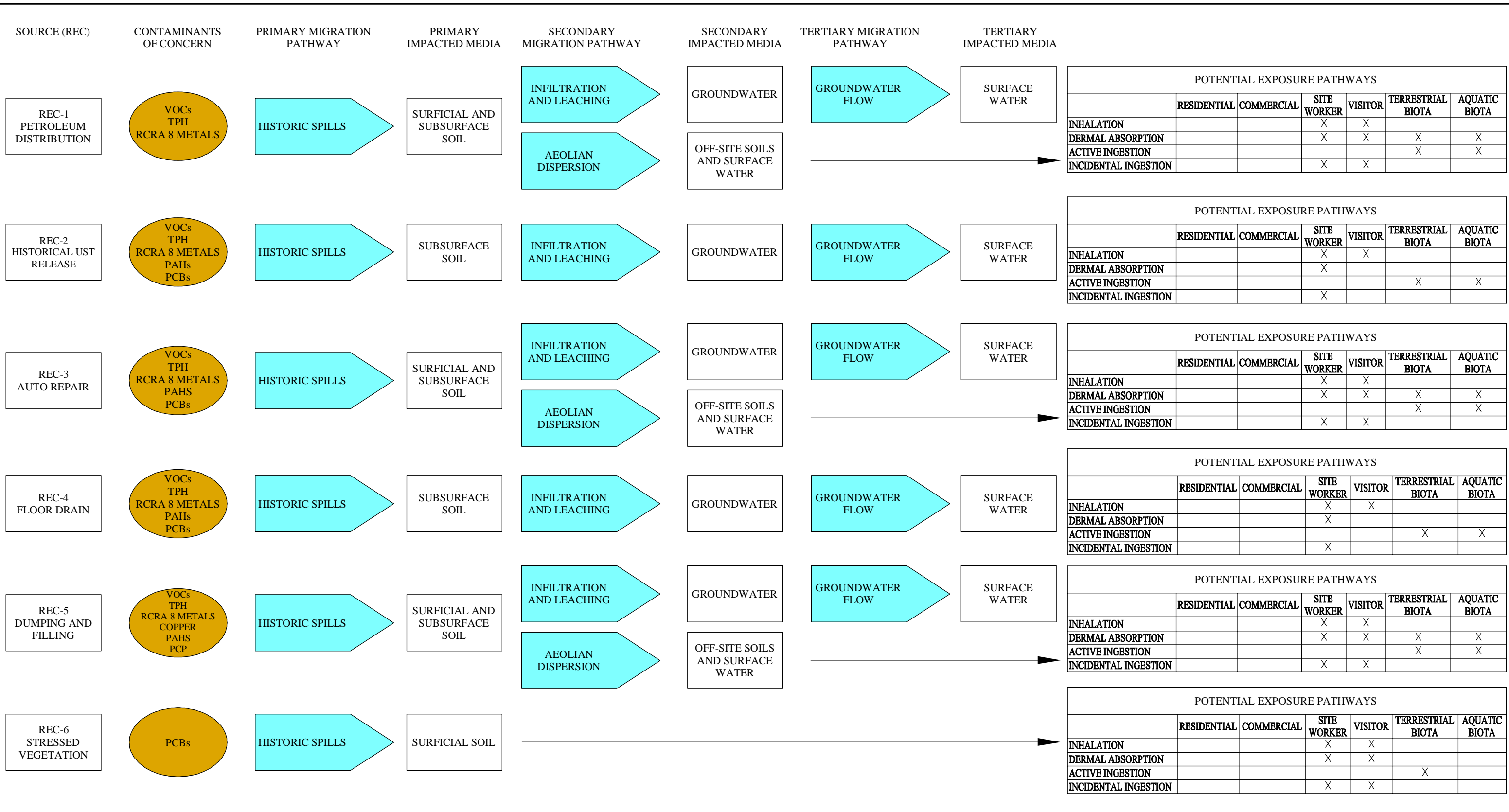


Figure 3 - Credere Organization and Responsibility Chart





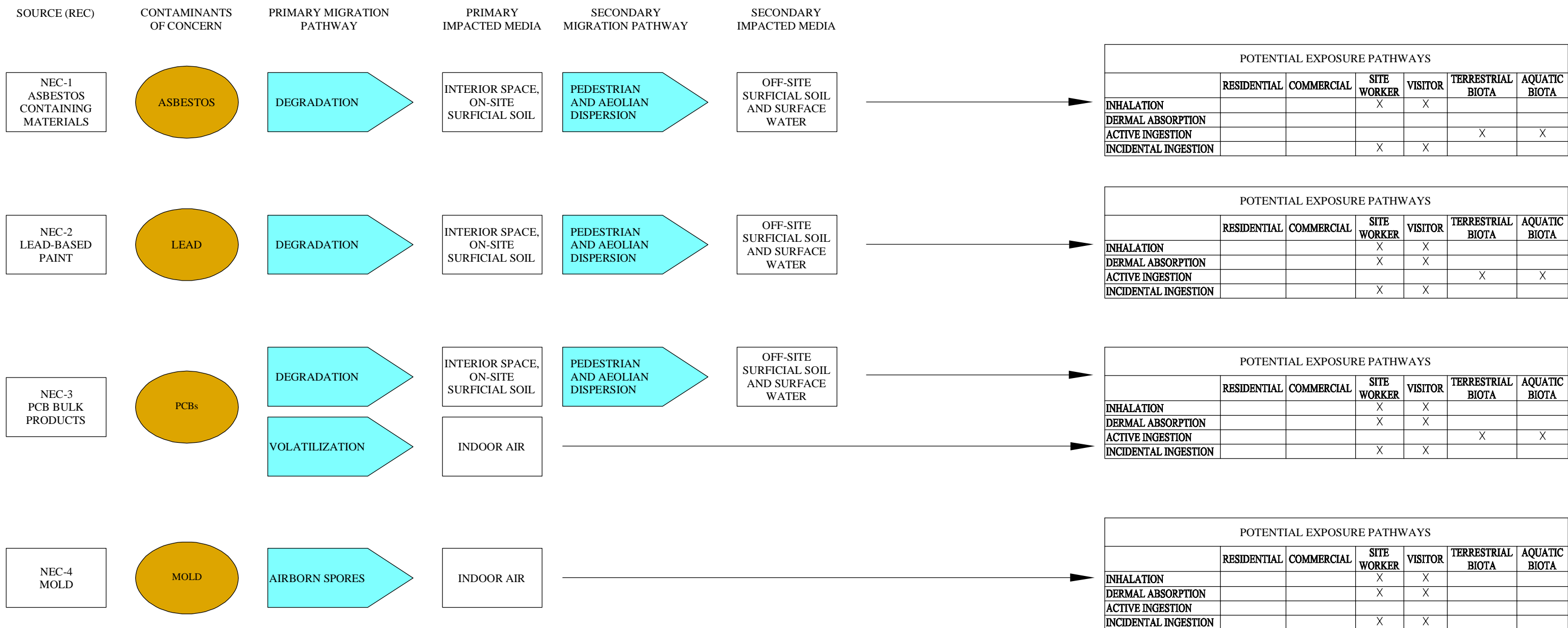
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**FIGURE 4**  
**CONCEPTUAL SITE MODEL**  
 (Sheet 1 of 2)

TURCHIN ESTATE  
 180 EAST MAIN STREET  
 TILTON, NH  
 NHDES #199311019



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**FIGURE 4**  
**CONCEPTUAL SITE MODEL**  
(Sheet 2 of 2)

TURCHIN ESTATE  
180 EAST MAIN STREET  
TILTON, NH  
NHDES #199311019

## TABLES

**Table 1**.....Surficial Soil Sample Reference Table  
**Table 2**.....Subsurface Soil Sample Reference Table  
**Table 3**.....Groundwater Sample Reference Table  
**Table 4**.....Hazardous Building Material Sample Reference Table



**Table 1: Surficial Soil Sample Reference Table**  
**Ernie's Auto Sales Property**  
**180 East Main Street**  
**Tilton, New Hampshire**  
**NHDES #199311019**

Media to be Collected	Proposed Sample IDs	Associated RECs	Sample Design	Sample Depth (ft bgs)	Field SOPs to be Used	Field Analysis/Observations	Minimum No. of Samples for Analysis	No. of Field Dups	Analytical Method	Sample Container information & Preservative (per location)	Lab SOPs	Laboratory To be Used
<b>Surficial Soils</b>	SS-1	REC-1	One sample collected from under the heating oil AST on the south side of the garage.	0-2	Credere-004 HWRB-11 HWRB-12 HWRB-15 HWRB-17 VOCs/SOIL-2000 DR#012 DR#024 DR#025	Visual & Olfactory PID Headspace XRF Screening	1	Surficial and subsurface soil samples will be duplicated at a rate of 5% per the generic QAPP for a total of one (1) based on the proposed total number of samples indicated in this table and in Table 2.	- TPH by EPA Method 8015 - VOCs by EPA Method 8260 - PAHs by EPA Method 8270	TPH - 4 oz. amber glass VOCs - (1) 40 ml VOA w/5 ml methanol, (1) 40 ml VOA for % solids PAHs - 4 oz. amber glass with Teflon-lined cap	RL-7 RL-9 RL-13	Resource Laboratories, Portsmouth, NH
	SS-2 SS-4 SS-7	REC-3 REC-5	Three samples will be collected from certain locations along the south and west portions of the subject property in areas of suspected dumping and filling.				3		- TPH by EPA Method 8015 - VOCs by EPA Method 8260 - RCRA 8 Metals by EPA Method 6010 - PAHs by EPA Method 8270 - PCBs by EPA Method 8082	TPH 4 oz. amber glass VOCs - (1) 40 ml VOA w/5 ml methanol, (1) 40 ml VOA for % solids RCRA 8 Metals - 4 oz. glass with Teflon-lined cap PAHs - 4 oz. amber glass with Teflon-lined cap PCBs - 4 oz glass with Teflon lined cap	RL-4 RL-5 RL-7 RL-9 RL-13	
	SS-3	REC-5	One sample will be collected from under the discarded automobile gasoline tank located next to the garage building.				1		- TPH by EPA Method 8015 - VOCs by EPA Method 8260	TPH - 4 oz. amber glass VOCs - (1) 40 ml VOA w/5 ml methanol, (1) 40 ml VOA for % solids	RL-7 RL-9	
	SS-5	REC-5	One sample collected from the area of discarded utility poles and truck body.				1		- TPH by EPA Method 8015 - RCRA 8 Metals by EPA Method 6010 - Copper (Cu) by EPA Method 6010 - SVOCs by EPA Method 8270	TPH 4 oz. amber glass RCRA 8 Metals & Cu - 4 oz. glass with Teflon-lined cap SVOCs - 4 oz. glass with Teflon-lined cap	RL-5 RL-7 RL-13	
	SS-6	REC-6	One sample will be collected from the area under the electrical transformer located adjacent to East Main Street.				1		- PCBs by EPA Method 8082	PCBs - 4 oz. glass with Teflon-lined cap	RL-4	

**Table 2: Subsurface Soil Sample Reference Table**  
**Ernie's Auto Sales Property**  
**180 East Main Street**  
**Tilton, New Hampshire**  
**NHDES #199311019**

Media to be Collected	Proposed Sample IDs	Associated RECs	Sample Design	Sample Depth (ft bgs)	Field SOPs to be Used	Field Analysis/Observations	No. of Samples for Analysis	No. of Field Dups	Analytical Method	Sample Container information & Preservative (per location)	Lab SOPs	Laboratory To be Used
<b>Subsurface Soil</b>	SB-1	REC-1 REC-2 REC-3	One sample will be collected in the area of the former waste oil UST where soil contamination has previously been documented.	Soil field screened every 2-foot interval. Laboratory samples collected at highest field screening detection OR at water table interface.	Credece-004 HWRB-11 HWRB-12 HWRB-15 HWRB-17 VOCs/SOIL-2000 DR#012 DR#024 DR#025	Visual & Olfactory PID Headspace XRF Screening	1	Subsurface and surficial soil samples will be duplicated at a rate of 5% per the generic QAPP for a total of one (1) based on the proposed total number of samples indicated in this table and in Table 1.	- <b>TPH</b> by EPA Method 8015 - <b>VOCs</b> by EPA Method 8260 - <b>RCRA 8 Metals</b> by EPA Method 6010 - <b>PAHs</b> by EPA Method 8270 - <b>PCBs</b> by EPA Method 8082	<b>TPH</b> 4 oz. amber glass <b>VOCs</b> - (1) 40 ml VOA w/5 ml methanol, (1) 40 ml VOA for % solids <b>RCRA 8 Metals</b> - 4 oz. glass with Teflon-lined cap <b>PAHs</b> - 4 oz. amber glass with Teflon-lined cap <b>PCBs</b> - 4 oz. glass with Teflon-lined cap	RL-4 RL-5 RL-7 RL-9 RL-13	Resource Laboratories, Portsmouth, NH
	SB-2 SB-7	REC-3 REC-5	Two samples will be collected from certain locations along the south and west portions of the subject property in areas of suspected dumping and filling.				2					
	SB-3 SB-6	REC-1 REC-2	One sample will be collected from the location of the former gasoline USTs and one sample will be collected from the location of the former fueling island.				2					
	If Needed: SB-4	REC-3 REC-4	One sample will be collected from the location of the terminus of the floor drain if it does not discharge to the municipal sewer system.				1					
	If Needed: SB-5	REC-3	One sample will be collected from outside of the eastern bay door of the garage if SB-4 is not installed or if SB-4 is located in an area that was not likely affected by the historical use of the subject property as an automobile repair facility.				1					
	TP-1	REC-5	One sample will be collected from the fill pile with waste asphalt observed on in the southeast portion of the subject property.				1				- <b>VOCs</b> by EPA Method 8260 - <b>RCRA 8 Metals</b> by EPA Method 6010 - <b>PAHs</b> by EPA Method 8270	



**Table 3: Groundwater Sample Reference Table**  
**Ernie's Auto Sales Property**  
**180 East Main Street**  
**Tilton, New Hampshire**  
**NHDES #199311019**

Media to be Collected	Proposed Sample IDs	Associated RECs	Sample Design	Field SOPs to be Used	Field Analysis/ Observations	No. of Samples for Analysis	No. of Field Dups	No. of Trip Blanks	Analytical Method	Sample Container information & Preservative (per location)	Lab SOPs	Laboratory To be Used
<b>Groundwater</b>	MW-1	REC-1 REC-2 REC-3	One sample will be collected in the area of the former waste oil UST where soil contamination has previously been documented.	Crede-re-004 HWRB-1 HWRB-3 HWRB-9 HWRB-15 HWRB-17 DR#012	Visual & Olfactory  Field Parameters: Temperature, PH, Dissolved Oxygen, Turbidity, Conductivity, Oxidation-Reduction Potention	1	Groundwater samples will be duplicated at a rate of 5% per the generic QAPP for a total of one (1) based on the proposed total number of samples indicated in this table.	1	- VOCs by EPA Method 8260 - RCRA 8 Metals by EPA Method 6010 - PAHs by EPA Method 8270	VOCs - (2) 40 ml VOA with HCL RCRA 8 Metals - 250 mL plastic with nitric acid - filtered in the field PAHs - 1 Liter amber bottle	RL-5 RL-9 RL-13	Resource Laboratories, Portsmouth, NH
	MW-2	REC-3 REC-5	One sample will be collected from an area of suspected dumping and filling on the southern portion of the subject property.			1						
	MW-3	REC-1	One sample will be collected from the location of the former fueling island.			1			- VOCs by EPA Method 8260 - Lead by EPA Method 6010	VOCs - (2) 40 ml VOA with HCL Lead - 250 mL plastic with nitric acid - filtered in the field	RL-5 RL-9	
	If Needed: MW-4	REC-3 REC-4	One sample will be collected from the location of the terminus of the floor drain if it does not discharge to the municipal sewer system.			1						
	If Needed: MW-5	REC-3	One sample will be collected from outside of the eastern bay door of the garage if SB-4 is not installed or if SB-4 is located in an area that was not likely affected by the historical use of the subject property as an automobile repair facility.			1			- VOCs by EPA Method 8260 - RCRA 8 Metals by EPA Method 6010 - PAHs by EPA Method 8270	VOCs - (2) 40 ml VOA with HCL RCRA 8 Metals - 250 mL plastic with nitric acid - filtered in the field PAHs - 1 Liter amber bottle	RL-5 RL-9 RL-13	

**Table 4: Hazardous Building Material Sample Reference Table**  
**Ernie's Auto Sales Property**  
**180 East Main Street**  
**Tilton, New Hampshire**  
**NHDES #199311019**

Media to be Collected	Proposed Sample IDs	Associated RECs	Sample Design	Field SOPs to be Used	Field Analysis/Observations	No. of Samples for Analysis	No. of Field Dups	Analytical Method	Sample Container information & Preservative (per location)	Lab SOPs	Laboratory To be Used
<b>Asbestos Containing Materials</b>	TBD Based on Visual Inspection	NEC-1	An asbestos survey will be conducted to evaluate the "ASTM Non-scope" condition related to potential asbestos containing building materials.	According to NH DES Env-A-1800	Visual Inspection and Bulk Sampling	According to NH DES Env-A-1800	According to NH DES Env-A-1800	Polarized Light Microscopy EPA 600/R-93/116	Plastic bags, labeled (no preservation)	Included in SSQAPP Addendum No. 4	Resource Laboratories, Portsmouth, NH
<b>Lead-Based Paint</b>	TBD	NEC-2	A lead based paint survey will be conducted to evaluate the "ASTM Non-scope" condition related to lead based paint. Each unique paint will be screened in the field with an XRF.	DR#024 DR#025 Crede-re-004	XRF Screening	TBD	NA	EPA Method 6200	NA	NA	Resource Laboratories, Portsmouth, NH
<b>Potential PCB-Containing Building Materials</b>	As Needed: BM-1 BM-2 BM-3 BM-4 BM-5	NEC-3	One (1) representative bulk sample will be collected from each of up to five (5) suspect building materials.	EPA SOP No. 2011 for Chip, Wipe, and Sweep Sampling; EIASOP_POROUSSAMPLIN G1 Rev3; Crede-re-004	Visual Inspection and Bulk Sampling	TBD	1 (Representative Sample of a Select Matrix)	PCBs via EPA Method 8082 using extraction method 3540	PBCs - 4 oz. glass with Teflon-lined cap, no preservative	RL-4	Resource Laboratories, Portsmouth, NH

## APPENDICES

**Appendix A** ..... EPA SOP #2011 – Chip, Wipe, and Sweep Sampling  
**Appendix B** ..... EIASOP\_PORO USSAMPLING1 – Sampling Porous Surfaces for PCBs



# **APPENDIX A**

EPA SOP #2011  
CHIP, WIPE, AND SWEEP SAMPLING





# CHIP, WIPE, AND SWEEP SAMPLING

SOP#: 2011  
DATE: 11/16/94  
REV. #: 0.0

## 1.0 SCOPE AND APPLICATION

This standard operating procedure (SOP) outlines the recommended protocol and equipment for collection of representative chip, wipe, and sweep samples to monitor potential surficial contamination.

This method of sampling is appropriate for surfaces contaminated with non-volatile species of analytes (i.e., PCB, PCDD, PCDF, metals, cyanide, etc.) Detection limits are analyte specific. Sample size should be determined based upon the detection limit desired and the amount of sample requested by the analytical laboratory. Typical sample area is one square foot. However, based upon sampling location, the sample size may need modification due to area configuration.

These are standard (i.e., typically applicable) operating procedures which may be varied or changed as required, dependent on site conditions, equipment limitations or limitations imposed by the procedure or other procedure limitations. In all instances, the ultimate procedures employed should be documented and associated with the final report.

Mention of trade names or commercial products does not constitute U.S. EPA endorsement or recommendation for use.

## 2.0 METHOD SUMMARY

Since surface situations vary widely, no universal sampling method can be recommended. Rather, the method and implements used must be tailored to suit a specific sampling site. The sampling location should be selected based upon the potential for contamination as a result of manufacturing processes or personnel practices.

Chip sampling is appropriate for porous surfaces and is generally accomplished with either a hammer and chisel, or an electric hammer. The sampling device should be laboratory cleaned and wrapped in clean, autoclaved aluminum foil until ready for use. To

collect the sample, a measured and marked off area is chipped both horizontally and vertically to an even depth of 1/8 inch. The sample is then transferred to the proper sample container.

Wipe samples are collected from smooth surfaces to indicate surficial contamination; a sample location is measured and marked off. While wearing a new pair of surgical gloves, a sterile gauze pad is opened, and soaked with solvent. The solvent used is dependent on the surface being sampled. This pad is then stroked firmly over the sample surface, first vertically, then horizontally, to ensure complete coverage. The pad is then transferred to the sample container.

Sweep sampling is an effective method for the collection of dust or residue on porous or non-porous surfaces. To collect such a sample, an appropriate area is measured off. Then, while wearing a new pair of disposable surgical gloves, a dedicated brush is used to sweep material into a dedicated dust pan. The sample is then transferred to the proper sample container.

Samples collected by all three methods are then sent to the laboratory for analysis.

## 3.0 SAMPLE PRESERVATION, CONTAINERS, HANDLING, AND STORAGE

Samples should be stored out of direct sunlight to reduce photodegradation, cooled to 4°C and shipped to the laboratory performing the analysis. Appropriately sized laboratory cleaned, glass sample jars should be used for sample collection. The amount of sample required will be determined in concert with the analytical laboratory.

## 4.0 INTERFERENCES AND POTENTIAL PROBLEMS

This method has few significant interferences or problems. Typical problems result from rough porous

surfaces which may be difficult to wipe, chip, or sweep.

## 5.0 EQUIPMENT

Equipment required for performing chip, wipe, or sweep sampling is as follows:

- C Lab clean sample containers of proper size and composition
- C Site logbook
- C Sample analysis request forms
- C Chain of Custody records
- C Custody seals
- C Field data sheets
- C Sample labels
- C Disposable surgical gloves
- C Sterile wrapped gauze pad (3 in. x 3 in.)
- C Appropriate pesticide (HPLC) grade solvent
- C Medium sized laboratory cleaned paint brush
- C Medium sized laboratory cleaned chisel
- C Autoclaved aluminum foil
- C Camera
- C Hexane (pesticide/HPLC grade)
- C Iso-octane
- C Distilled/deionized water

## 6.0 REAGENTS

Reagents are not required for preservation of chip, wipe or sweep samples. However, reagents will be utilized for decontamination of sampling equipment.

## 7.0 PROCEDURES

### 7.1 Preparation

1. Determine the extent of the sampling effort, the sampling methods to be employed, and the types and amounts of equipment and supplies needed.
2. Obtain necessary sampling and monitoring equipment.
3. Decontaminate or preclean equipment, and ensure that it is in working order.
4. Prepare scheduling and coordinate with staff, clients, and regulatory agency, if appropriate.
5. Perform a general site survey prior to site entry in accordance with the site specific

Health and Safety Plan.

6. Mark all sampling locations. If required the proposed locations may be adjusted based on site access, property boundaries, and surface obstructions.

### 7.2 Chip Sample Collection

Sampling of porous surfaces is generally accomplished by using a chisel and hammer or electric hammer. The sampling device should be laboratory cleaned or field decontaminated as per the Sampling Equipment Decontamination SOP. It is then wrapped in cleaned, autoclaved aluminum foil. The sampler should remain in this wrapping until it is needed. Each sampling device should be used for only one sample.

1. Choose appropriate sampling points; measure off the designated area. Photo documentation is optional.
2. Record surface area to be chipped.
3. Don a new pair of disposable surgical gloves.
4. Open a laboratory-cleaned chisel or equivalent sampling device.
5. Chip the sample area horizontally, then vertically to an even depth of approximately 1/8 inch.
6. Place the sample in an appropriately prepared sample container with a Teflon lined cap.
7. Cap the sample container, attach the label and custody seal, and place in a plastic bag. Record all pertinent data in the site logbook and on field data sheets. Complete the sampling analysis request form and chain of custody record before taking the next sample.
8. Store samples out of direct sunlight and cool to 4EC.
9. Follow proper decontamination procedures then deliver sample(s) to the laboratory for analysis.

### 7.3 Wipe Sample Collection

Wipe sampling is accomplished by using a sterile

gauze pad, adding a solvent in which the contaminant is most soluble, then wiping a pre-determined, pre-measured area. The sample is packaged in an amber jar to prevent photodegradation and packed in coolers for shipment to the lab. Each gauze pad is used for only one wipe sample.

1. Choose appropriate sampling points; measure off the designated area. Photo documentation is optional.
2. Record surface area to be wiped.
3. Don a new pair of disposable surgical gloves.
4. Open new sterile package of gauze pad.
5. Soak the pad with solvent of choice.
6. Wipe the marked surface area using firm strokes. Wipe vertically, then horizontally to insure complete surface coverage.
7. Place the gauze pad in an appropriately prepared sample container with a Teflon-lined cap.
8. Cap the sample container, attach the label and custody seal, and place in a plastic bag. Record all pertinent data in the site logbook and on field data sheets. Complete the sampling analysis request form and chain of custody record before taking the next sample.
9. Store samples out of direct sunlight and cool to 4°C.
10. Follow proper decontamination procedures, then deliver sample(s) to the laboratory for analysis.

#### **7.4 Sweep Sample Collection**

Sweep sampling is appropriate for bulk contamination. This procedure utilizes a dedicated, hand held sweeper brush to acquire a sample from a pre-measured area.

1. Choose appropriate sampling points; measure off the designated area. Photo documentation is optional.
2. Record the surface area to be swept.

3. Don new pair of disposable surgical gloves.
4. Sweep the measured area using a dedicated brush; collect the sample in a dedicated dust pan.
5. Transfer sample from dust pan to sample container.
6. Cap the sample container, attach the label and custody seal, and place in a plastic bag. Record all pertinent data in the site log book and on field data sheets. Complete the sampling analysis request form and chain of custody record before taking the next sample.
7. Store samples out of direct sunlight and cool to 4°C.
8. Leave contaminated sampling device in the sample material, unless decontamination is practical.
9. Follow proper decontamination procedures, then deliver sample(s) to the laboratory for analysis.

### **8.0 CALCULATIONS**

Results are usually provided in mg/g, µg/g, mass per unit area, or other appropriate measurement. Calculations are typically done by the laboratory.

### **9.0 QUALITY ASSURANCE/ QUALITY CONTROL**

The following general quality assurance procedures apply:

1. All data must be documented on standard chain of custody forms, field data sheets or within the site logbook.
2. All instrumentation must be operated in accordance with operating instructions as supplied by the manufacturer, unless otherwise specified in the work plan. Equipment checkout and calibration activities must occur prior to sampling/operation, and they must be documented.

The following specific quality assurance activities apply to wipe samples:

For wipe samples, a blank should be collected for each sampling event. This consists of a sterile gauze pad, wet with the appropriate solvent, and placed in a prepared sample container. The blank will help identify potential introduction of contaminants via the sampling methods, the pad, solvent or sample container. Spiked wipe samples can also be collected to better assess the data being generated. These are prepared by spiking a piece of foil of known area with a standard of the analyte of choice. The solvent containing the standard is allowed to evaporate, and the foil is wiped in a manner identical to the other wipe samples.

Specific quality assurance activities for chip and sweep samples should be determined on a site specific basis.

## **10.0 DATA VALIDATION**

A review of the quality control samples will be conducted and the data utilized to qualify the environmental results.

## **11.0 HEALTH AND SAFETY**

When working with potentially hazardous materials, follow EPA, OSHA and corporate health and safety procedures.

## **12.0 REFERENCES**

U.S. EPA, A Compendium of Superfund Field Operation Methods. EPA/540/5-87/001.

NJDEP Field Sampling Procedures Manual, February, 1988.



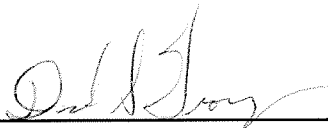
## **APPENDIX B**

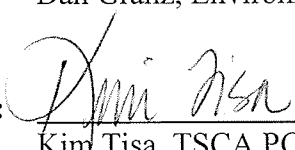
EIASOP\_PORO USSAMPLING1  
SAMPLING POROUS SURFACES FOR PCBs




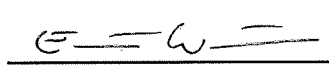
**STANDARD OPERATING PROCEDURE  
FOR SAMPLING POROUS SURFACES  
FOR POLYCHLORINATED BIPHENYLS (PCBs)**

**The Office of Environmental Measurement and Evaluation  
EPA New England – Region 1  
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### Attachments:

- Example of Custody Seal and Sample Label
- Example of Chain of Custody Form

## **1.0 Scope and Application**

- 1.1 This Standard Operating Procedure (SOP) is suitable for collection of a porous matrix sample for analysis of Polychlorinated Biphenyls (PCBs).
- 1.2 This SOP describes sampling techniques for both hard and soft porous surfaces.
  - 1.2.1 Hard surfaces, and most soft surfaces, can be sampled using an impact hammer drill to generate a uniform, finely ground, powder to be extracted and analyzed for PCBs. This procedure is primarily geared at providing enough sample quantity for two analyses. Hard porous surfaces include concrete, brick, asphalt, cement, sandstone, limestone, unglazed ceramics, and other possible PCB suspected material. This procedure may also be used on other softer porous surfaces, such as wood.
  - 1.2.2 Soft surfaces can be sampled using a chisel or sharp knife to generate a representative sample to be extracted and analyzed for PCBs. Soft porous surfaces include wood, wall plasterboard, low density plastics, rubber, caulking, and other PCB suspected material.
- 1.3 This SOP provides for collection of surface samples (0 – 0.5 inches) and delineation of PCB contamination throughout the core of the porous surface. The procedure can be used to sample the porous surface at distinctly different depth zones.

## **2.0 Method Summary**

A one-inch or other sized diameter carbide drill bit is used in a rotary impact hammer drill to generate a fine powder, or other representative sample, suitable for extraction and analysis of PCBs from porous surfaces. This method also allows the use of chisels or knives for the collection of samples from soft porous surfaces for PCB analysis.

## **3.0 Definitions**

- 3.1 Field/Bottle Blank: A sample container of the same lot as the containers used for the environmental samples. This evaluates PCB contamination introduced from the sample container(s) from a common lot.
- 3.2 Equipment/Rinse/Rinsate Blanks: A sample that is collected by pouring hexane over the sample collection equipment after decontamination and before sample collection. The sample is collected in the appropriate sample container identical to the sample containers. This represents background contamination resulting from the field equipment, sampling procedure, sample container, and shipment.

- 3.3 Field Replicates/Duplicates: Two or more samples collected at the same sampling location. Field replicates should be samples collected side by side. Field replicates represent the precision of the whole method, site heterogeneity, field sampling, and the laboratory analysis.
- 3.4 Field Split Samples: Two or more representative subsamples taken from one environmental sample in the field. Prior to splitting, the environmental sample is homogenized to correct for sample heterogeneity that would adversely impact data comparability. Field split samples are usually analyzed by different laboratories (interlaboratory comparison) or by the same laboratory (intralaboratory comparison). Field splits are used to assess sample handling procedures from field to laboratory and laboratory comparability.
- 3.5 Laboratory Quality Samples: Additional samples that will be collected for the laboratory's quality control program: matrix spike, matrix spike duplicate, laboratory duplicates, etc.
- 3.6 Proficiency Testing (PT)/Performance Evaluation (PE) Sample: A sample, the composition of which is unknown to the laboratory or analyst, provided to the analyst or laboratory to assess the capability to produce results within acceptable criteria. This is optional depending on the data quality objectives. If possible, it is recommended that the PE sample be of similar matrix as the porous surface(s) being sampled.
- 3.7 Porous Surface: Any surface that allows PCBs to penetrate or pass into itself including, but not limited to, paint or coating on metal; corroded metal; fibrous glass or glass wool; unglazed ceramics; ceramics with porous glaze; porous building stone such as sandstone, travertine, limestone, or coral rock; low density plastics such as Styrofoam and low density polyethylene; coated (varnished or painted) or uncoated wood; painted or unpainted concrete or cement; plaster; plasterboard; wallboard; rubber; caulking; fiberboard; chipboard; asphalt; or tar paper.
- 3.8 Shipping Container Temperature Blank: A water sample that is transported to the laboratory to measure the temperature of the samples in the cooler.

#### **4.0 Health and Safety**

- 4.1 Eye, respiratory, and hearing protection are required at all times during sample drilling. A properly fitted respirator is required for hard porous surface sampling. A respirator is recommended whenever there is a risk of inhalation of either particulate or volatilized PCBs during sampling.
- 4.2 All proper personal protection clothing and equipment must be worn.

4.3 When working with potentially hazardous materials or situations, follow EPA, OSHA, and specific health or safety procedures.

4.4 Care must be exercised when using an electrical drill and sharp cutting objects.

## **5.0 Interferences and Potential Problems**

5.1 This sampling technique produces a finely ground uniform powder, which minimizes the physical matrix effects from variations in the sample consistency (i.e., particle size, uniformity, homogeneity, and surface condition). Matrix spike analysis of a sample is highly recommended to monitor for any matrix related interferences.

5.2 Nitrile gloves are recommended. Latex gloves must not be used due to possible phthalate contamination.

5.3 Interferences may result from using contaminated equipment, solvents, reagents, sample containers, or sampling in a disturbed area. The drill bit must be decontaminated between samples. (see Section 11.0.)

5.4 Cross contamination problems can be eliminated or minimized through the use of dedicated sampling equipment.

## **6.0 Personnel Qualifications**

6.1 All field samplers working at hazardous materials/waste sites are required to take a 40 hour health and safety training course prior to engaging in any field activities. Subsequently, an 8 hour refresher health and safety course is required annually.

6.2 The field sampler should be trained by an experienced sampler before initiating this procedure.

6.3 All personnel shall be responsible for complying with all quality assurance/quality control requirements that pertain to their organizational/technical function.

## **7.0 Equipment and Supplies**

7.1 This list varies with the matrix and if depth profiling is required

- Rotary impact hammer variable speed drill
- 1-inch or other suitable (1/2, 3/4, etc.) diameter carbide tip drill bits
- Steel chisel or sharp cutting knife, and hammer
- Brush and cloths to clean area
- Stainless steel scoopulas

Aluminum foil to collect the powder sample  
1 quart Cubitainer with the top cut out to collect the powder sample  
Aluminum weighing pans to collect the powder sample  
Cleaned glass container (2 oz or 40 mL) with Teflon lined cap  
Decontamination supplies: hexane, two small buckets, a scrub brush, detergent, deionized water, hexane squirt bottle, and paper towels  
Dedicated vacuum cleaner with a disposable filter or a vacuum pump with a dust filter  
Sample tags/labels, custody seals, and Chain-of-Custody form

## 8.0 Sampling Design

8.1 A sufficient number of samples must be collected to meet the data quality objectives of the project. If the source of the PCB contamination is regulated under the federal TSCA PCB Regulations at 40 CFR Part 761, the sampler should insure that the sampling design is sufficient to meet any investigation or verification sampling requirements. At a minimum, the following is recommended:

8.1.1 Suspected stained area (s) should be sampled.

8.1.2 At each separate location, collect at least 3 samples of each type of porous surface, regardless of the amount of each type of porous surface present.

8.1.3 In areas where PCB equipment was used or where PCBs were stored, samples should be collected at a frequency of 1 sample/100 square feet (ft<sup>2</sup>).

## 9.0 Sample Collection

### 9.1 Hard Porous Surfaces

9.1.1 Lock a 1-inch or another size diameter carbide drill bit into the impact hammer drill and plug the drill into an appropriate power source. For easy identification, sample locations may be pre-marked using a marker or paint. (Note: the actual drilling point must not be marked.) Remove any debris with a clean brush or cloth prior to drilling. All sampling decisions of this nature should be noted in the sampling logbook.

9.1.2 Use a Cubitainer with the top cut off or aluminum foil to contain the powdered sample. Begin drilling in the designated location. Apply steady even pressure and let the drill do the work. Applying too much pressure will generate excessive heat and dull the drill bit prematurely. The drill will provide a finely ground powder that can be easily collected.



- 9.1.3 Samples should be collected at 1/2-inch depth intervals. Thus, the initial surface sample should be collected from 0 – 0.5 inches. A 1/2-inch deep hole generates about 10 grams (20 mL) of powder. Multiple holes located closely adjacent to each other, may be needed to generate sufficient sample volumes for a PCB determination. It is strongly recommended that the analytical laboratory be consulted on the minimum sample size needed for PCB extraction and analysis.
- 9.1.4 Wall and Ceiling Sampling: A team of two samplers will be required for wall and ceiling sampling. The second person will hold a clean catch surface (e.g. an aluminum pan) below the drill to collect the falling powder. Alternatively, use the chuck-end of the drill bit and punch a hole through the center of the collection pan. The drill bit is then mounted through the pan and into the drill. For ceilings, the drill may be held at an angle to collect the powder. Thus the driller can be drilling at an angle while the assistant steadies the pan to catch the falling powder. As a precaution, it may be advantageous to tape a piece of plastic around the drill, just below the chuck, to avoid dust contaminating the body of the drill and entering the drill's cooling vents. Caution must be taken to prevent obstruction of the drill's cooling vents.
- 9.2 Soft Porous Surfaces
- 9.2.1 The procedure for the hard porous surface may be used for certain soft porous surfaces, such as wood.
- 9.2.2 Samples should be collected at no more than 1/2-inch depth intervals using a metal chisel or sharp cutting knife. Thus, the initial surface sample should be collected from 0 – 0.5 inches. It is important to collect at least 10 grams for analysis.
- 9.2.3 For soft porous surfaces, such as caulking and rubber, a representative sample can be collected using a metal chisel or sharp cutting knife.
- 9.3 Multiple Depth Sampling
- 9.3.1 Multiple Depth Sampling may not be applicable to certain porous surfaces, such as caulking.
- 9.3.2 Collect the surface sample as outlined in Section 9.1 or 9.2.
- 9.3.3 Use the vacuum pump or cleaner to clean out the hole.
- 9.3.4 To collect multiple depths there are two options.

9.3.4.1 Option one: drill sequentially ½ inch increments with the 1 inch drill.

9.3.4.2 Option two: drill with the 1 inch bit and either make the hole larger or use a smaller bit to take the next 1/2 inch sample.

9.3.5 A stainless steel spoonula will make it easier to collect the sample from the bottom of the hole.

Note: The holes should be vacuumed thoroughly to minimize any cross-contamination between sample depths and the bits should be decontaminated between samples. (See Section 11.0.)

## **10.0 Sample Handling, Preservation, and Storage**

10.1 Samples must be collected in glass containers for PCB analyses. In general, a 2-ounce sample container with a Teflon-lined cap (wide-mouth jars are preferred) will hold sufficient mass for most analyses. A 2-ounce jar can hold roughly 90 grams of sample.

10.2 Samples are to be shipped refrigerated and maintained at  $\leq 6^{\circ}\text{C}$  until the time of extraction and analysis.

10.3 The suggested holding time for PCB samples is 14 days to extraction.

## **11.0 Decontamination**

11.1 Assemble two decontamination buckets. The first bucket contains a detergent and potable water solution, and the second bucket is for rinsate. Place all used drill bits, hose for the vacuum cleaner, and utensils in the detergent and water bucket. Scrub each piece thoroughly using the scrub brush. Rinse each piece with water and hexane and place the rinsed pieces on clean paper towels. Individually dry and inspect each piece.

Notes: The powder does cling to the metal surfaces, so care should be taken during decontamination, especially with the twists and curves of the drill bits. Ensure that all equipment is dry prior to reuse.

11.2 Lightly contaminated drill bits and utensils may be wiped with a hexane soaked cloth and hexane rinsed for decontamination.

11.3 All equipment, including the impact hammer, vacuum pump, and/or vacuum cleaner, should be wipe cleaned upon completion of the sampling and prior to leaving the site.

## **12.0 Data and Record Management**

- 12.1 All data and information collection should follow a Field Data Management SOP or Quality Assurance Project Plan (QAPP).
- 12.2 Follow the chain of custody procedures to release the samples to the laboratory. A copy is kept with the sampling records.
- 12.3 The field data is stored for at least 3 years.

## **13.0 Quality Control and Quality Assurance**

- 13.1 Representative samples are required. The sampler will evaluate the site specific conditions to assure the sample will be representative.
- 13.2 All sampling equipment must be decontaminated prior to use and between each discrete sample.
- 13.3 All field Quality Control (QC) sample requirements in a Sample and Analysis Plan (SAP) or QAPP must be followed. The SAP or QAPP may involve field blanks, equipment blanks, field duplicates and/or the collection of extra samples for the laboratory's quality control program.
- 13.4 Field duplicates should be collected at a minimum frequency of 1 per 20 samples or 1 per non-related porous matrix, whichever is greater.

## **14.0 Waste Management and Pollution Prevention**

- 14.1 During field sampling events there may be PCB and/or hazardous waste produced from the sample collection. The waste must be handled and disposed of in accordance with federal, state, and local regulations. The dust filter, and tubing if a vacuum pump is used, is disposed after each site investigation. This waste will be treated as PCB waste if the samples are positive for PCBs. It may be possible to manage or dispose of the waste produced at the site where the work was performed. If the site does not meet regulatory requirements for these types of activities, the waste must be transported to a facility permitted to manage and/or dispose of the waste.


## 15.0 References

1. Guidance for the Preparation of Standard Operating Procedures for Quality-Related Operations, QA/G-6, EPA/600/R-96/027, November 1995.
2. 40 CFR Part 761 – Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution In Commerce, and Use Prohibitions
3. Sample Container and Holding Time: RCRA SW 846, Chapter 4, Table 4.1, Revision 4, February, 2007.

**Example of Sample Label and Custody Seal**

LABEL	U.S. ENVIRONMENTAL PROTECTION AGENCY – REGION I BOSTON, MASS.	
	NAME OF UNIT AND ADDRESS  ENVIRONMENTAL SERVICES DIVISION 60 WESTVIEW STREET LEXINGTON, MASSACHUSETTS 02173	DATE: YR/MO/DAY
SAMPLE	SOURCE OF SAMPLE	TIME
	SAMPLING CREW(FIRST, INITIAL, LAST NAME)	STATION NO.
		SAMPLE NO. SUB NO.
		PRESERVATIVE
		AMOUNT
	ANALYSIS	

 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY OFFICIAL SAMPLE SEAL	SAMPLE NO.	DATE
	SIGNATURE	
	PRINT NAME AND TITLE <i>(Inspector, Analyst or Technician)</i>	
	SEAL BROKEN BY	DATE

EPA FORM 7500-2 (R7-75)



**APPENDIX B**  
**PHOTOGRAPHS**





**Picture 1**  
View of the subject  
property from East  
Main Street.



**Picture 2**  
Representative  
view of the ground  
penetrating radar  
(GPR) survey by  
Dig Smart of  
Maine.

(12/2/10)

*Phase II Environmental Site Assessment*  
*Ernie's Auto Sales*  
*180 East Main Street, Tilton, New Hampshire*

**Credere Associates, LLC**  
**776 Main Street**  
**Westbrook, ME 04092**







Picture 3

Installation of soil boring and monitoring well SB-3/MW-3 by T&K Drilling.

(12/6/10)



Picture 4

Installation of soil boring and monitoring well SB-5/MW-5 by T&K Drilling.

(12/6/10)

Phase II Environmental Site Assessment  
Ernie's Auto Sales  
180 East Main Street, Tilton, New Hampshire

**Credere Associates, LLC**  
776 Main Street  
Westbrook, ME 04092





Picture 5

View of concrete slab under 275-gallon aboveground storage tank.

(12/6/10)



Picture 6

Representative view of asbestos containing floor tile in cottage.

(8/26/10)



Picture 7

Representative view of pink PCB-containing paint within the garage building.

(12/6/10)

**APPENDIX C**

**SOIL BORING, MONITORING WELL, SURFICIAL SOIL SAMPLE, AND  
TEST PIT LOGS**



## Geologic Log



**Crede Associates, LLC**  
776 Main Street  
Westbrook, Maine 04092

# SB-1/MW-1

SITE INFORMATION		WELL SPECIFICATIONS	
<b>Project Number/Client:</b> 10001087 Ernies Auto Sales		<b>Well Depth (feet) from TOC:</b> 14	
<b>Site Location:</b> 180 East Main Street, Tilton, NH		<b>Screen Length (feet):</b> 10	
<b>DES #:</b> DES#199311019	<b>Date Start/Finish:</b> 12/6/2010	<b>TOW Elevation:</b> 463.34	<b>Ground Elevation:</b> 463.86 <small>(Elevations based on USGS datum)</small>
<b>Crede, LLC Representative:</b> Silas Canavan		<b>Well Material:</b> 2" PVC - 0.010-inch PVC Slotted Pipe and Riser	
CONTRACTOR		DRILLING EQUIPMENT	
<b>Drilling Contractor:</b> T&K Drilling		<b>Equipment:</b> 4 1/4" ID Hollow Stem Auger	
<b>Foreman:</b> Sean McGarry		<b>Casing Diameter:</b> NA	
<b>Drilling Method:</b> Hollow Stem Auger		<b>Casing Material:</b> NA	

Depth	Sample Information					Soil Description and Classification (Modified Burmeister Classification System)	Equipment Installed	Depth
	Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)			
1	S-1	24/6	0-2	5-5-3-3	ND	Loose, dark brown, fine to coarse SAND, little coarse Gravel, dry.		1
2	S-2	24/6	2-4	5-6-4-4	ND			2
3	S-3	24/12	4-6	9-9-7-8	1.7	Medium dense, dark brown, fine to coarse SAND, little coarse Gravel, dry.		3
4								4
5	S-4	12/6	6-7	5-5	ND	Dense, greenish-brown, medium to coarse SAND, wet.		5
6	S-5	12/6	7-8	10-15	ND			6
7	S-6	12/8	8-9	18-21	14.7	Dense, dark grey, medium to coarse SAND, some coarse Gravel, wet.		7
8	S-7*	12/8	9-10	26-22	325.0			8
9	S-8	24/10	10-12	11-18-52-32	40.2	Very dense, dark brown, fine to coarse GRAVEL, wet.		9
10								10
11	S-9	24/12	12-14	14-24-25-28	6.7	Dense, orange-brown, fine to coarse SAND, wet.		11
12								12
13	End of exploration and well set at 14'							13
14	End of exploration and well set at 14'							14

**Remarks:**

TOW Elevation - Elevation of Top of Well PVC Slotted Pipe and Riser, approximate

NM - Not Measured

NS - No sample for interval

\*Sample submitted for laboratory analysis

Graphically shows approximate depth of the water table during drilling

Stratification lines represent approximate boundaries between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

## Geologic Log



**Credere Associates, LLC**  
776 Main Street  
Westbrook, Maine 04092

# SB-2/MW-2

### SITE INFORMATION

**Project Number/Client:**  
10001087 Ernies Auto Sales

**Site Location:**  
180 East Main Street, Tilton, NH

**DES #:** DES#199311019      **Date Start/Finish:** 12/6/2010

### WELL SPECIFICATIONS

**Well Depth (feet) from TOC:** 14

**Screen Length (feet):** 10

**TOW Elevation:** 461.97      **Ground Elevation:** 462.29  
(Elevations based on USGS datum)

**Credere, LLC Representative:**  
Silas Canavan

**Well Material:**  
2" PVC - 0.010-inch PVC Slotted Pipe and Riser

### CONTRACTOR

**Drilling Contractor:**  
T&K Drilling

**Foreman:**  
Sean McGarry

**Drilling Method:**  
Hollow Stem Auger

### DRILLING EQUIPMENT

**Equipment:**  
4 1/4" ID Hollow Stem Auger

**Casing Diameter:**  
NA

**Casing Material:**  
NA

Depth	Sample Information					Soil Description and Classification (Modified Burmeister Classification System)	Equipment Installed	Depth
	Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)			
1	S-1	24/16	0-2	5-9-12-22	2.7	Medium dense, brown and black, fine to medium SAND, some coarse Gravel, dry. (Some asphalt mixed in from 2' to 4')		1
2	S-2	24/13	2-4	19-11-19-13	2.7			2
3								3
4	S-3	24/12	4-6	11-19-29-5	2.9	Dense, brown and black, fine to medium SAND, some coarse Gravel, dry.		4
5								5
6	S-4	24/8	6-8	3-3-3-3	3.0	Loose, brown, fine to medium SAND, dry.		6
7								7
8	S-5*	18/10.5	8-9.5	3-2-3	2.5	Loose, greenish-brown, fine to medium SAND, 2" layer of stratified white and black, fine Sand, wet.		8
9								9
10	S-6	6/3.5	9.5-10	4	2.3	Loose, dark brown, fine SAND, some Silt, wet.		10
11								11
12	<b>End of sampling at 12'</b>							12
13	Drilled to 14' due to split spoon refusal.							13
14	<b>End of exploration and well set at 14'</b>							14

**Remarks:**  
TOW Elevation - Elevation of Top of Well PVC Slotted Pipe and Riser, approximate  
NM - Not Measured  
NS - No sample for interval  
R - Refusal  
\*Sample submitted for laboratory analysis  
 Graphically shows approximate depth of the water table during drilling

## Geologic Log



**Credere Associates, LLC**  
776 Main Street  
Westbrook, Maine 04092

# SB-3/MW-3

SITE INFORMATION		WELL SPECIFICATIONS	
<b>Project Number/Client:</b> 10001087 Ernies Auto Sales		<b>Well Depth (feet) from TOC:</b> 14	
<b>Site Location:</b> 180 East Main Street, Tilton, NH		<b>Screen Length (feet):</b> 10	
<b>DES #:</b> DES#199311019	<b>Date Start/Finish:</b> 12/6/2010	<b>TOW Elevation:</b> 462.96	<b>Ground Elevation:</b> 463.43 (Elevations based on USGS datum)
<b>Credere, LLC Representative:</b> Silas Canavan		<b>Well Material:</b> 2" PVC - 0.010-inch PVC Slotted Pipe and Riser	
CONTRACTOR		DRILLING EQUIPMENT	
<b>Drilling Contractor:</b> T&K Drilling		<b>Equipment:</b> 4 1/4" ID Hollow Stem Auger	
<b>Foreman:</b> Sean McGarry		<b>Casing Diameter:</b> NA	
<b>Drilling Method:</b> Hollow Stem Auger		<b>Casing Material:</b> NA	

Depth	Sample Information					Soil Description and Classification (Modified Burmeister Classification System)	Equipment Installed	Depth
	Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)			
1	S-1	24/10	0-2	12-8-9-11	6.6	Medium dense, brown, fine to coarse SAND, dry.		1
2					2			
3	S-2	24/12	2-4	9-8-5-4	2.7			3
4						Medium dense, brown, fine SAND, dry.		4
5	S-3	24/10	4-6	11-7-5-8	2.5			5
6						Dense, greenish-brown, fine to coarse SAND, trace fine Gravel, wet.		6
7	S-4	24/14	6-8	11-18-17-22	1.6			7
8	S-5	12/8	8-9	9-30-R	13.2	Very dense, greenish-brown, medium to coarse SAND, wet. (petroleum odor)		8
9	NS	No sample due to refusal.						9
10						Very dense, black, fine SAND and silt, wet. (petroleum odor)		10
11	S-6*	24/10	10-12	21-45-33-22	79.8			11
12	<b>End of sampling at 12'</b>							12
13	Drilled to 14 feet due to refusal.							13
14	<b>End of exploration and well set at 14'</b>						14	

**Remarks:**

TOW Elevation - Elevation of Top of Well PVC Slotted Pipe and Riser, approximate

NM - Not Measured

NS - No sample for interval

R - Refusal

\*Sample submitted for laboratory analysis

Graphically shows approximate depth of the water table during drilling

Stratification lines represent approximate boundaries between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

## Geologic Log



**Crede Associates, LLC**  
776 Main Street  
Westbrook, Maine 04092

# SB-5/MW-5

SITE INFORMATION		WELL SPECIFICATIONS	
<b>Project Number/Client:</b> 10001087 Ernies Auto Sales		<b>Well Depth (feet) from TOC:</b> 14	
<b>Site Location:</b> 180 East Main Street, Tilton, NH		<b>Screen Length (feet):</b> 10	
<b>DES #:</b> DES#199311019	<b>Date Start/Finish:</b> 12/6/2010	<b>TOW Elevation:</b> 461.94	<b>Ground Elevation:</b> 462.29 (Elevations based on USGS datum)
<b>Crede, LLC Representative:</b> Silas Canavan		<b>Well Material:</b> 2" PVC - 0.010-inch PVC Slotted Pipe and Riser	
CONTRACTOR		DRILLING EQUIPMENT	
<b>Drilling Contractor:</b> T&K Drilling		<b>Equipment:</b> 4 1/4" ID Hollow Stem Auger	
<b>Foreman:</b> Sean McGarry		<b>Casing Diameter:</b> NA	
<b>Drilling Method:</b> Hollow Stem Auger		<b>Casing Material:</b> NA	

Depth	Sample Information					Soil Description and Classification (Modified Burmeister Classification System)	Equipment Installed	Depth
	Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)			
1	S-1	24/12	0-2	6-8-11-22	2.3	Medium dense, dark brown, fine to coarse SAND, trace fine to coarse Gravel, dry. (Trace of medium asphalt, charcoal, and ash.)		1
2	S-2	24/12	2-4	13-8-8-6	2.3			2
3	S-3*	24/2	4-6	3-1-1-2	4.1			3
4	S-4	24/2	6-8	8-8-1-2	2.5	Loose, dark brown, fine to coarse SAND, trace fine to coarse Gravel, dry. (Trace of medium to fine wood ash and coal ash.)		4
5								5
6	S-5*	24/4	8-10	25-26-15-14	8.2	Dense, greenish-grey, fine SAND, wet. (petroleum odor)		6
7								7
8								8
9	S-6	24/12	10-12	13-22-18-21	3.2	Dense, greenish-grey, fine to coarse SAND and fine to coarse Gravel, wet.		9
10								10
11	S-7	24/15	12-14	12-17-16-18	2.7			11
12								12
13								13
14	<b>End of exploration and well set at 14'</b>							14

**Remarks:**

TOW Elevation - Elevation of Top of Well PVC Slotted Pipe and Riser, approximate

NM - Not Measured

NS - No sample for interval

\*Sample submitted for laboratory analysis

Two samples were submitted for laboratory analysis due to elevated VOC and metals concentrations noted at different increments

Graphically shows approximate depth of the water table during drilling

Stratification lines represent approximate boundaries between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.



## Geologic Log



**Credere Associates, LLC**  
776 Main Street  
Westbrook, Maine 04092

SB-6

SITE INFORMATION		WELL SPECIFICATIONS	
<b>Project Number/Client:</b> 10001087 Ernies Auto Sales		<b>Well Depth (feet) from TOC:</b> 14	
<b>Site Location:</b> 180 East Main Street, Tilton, NH		<b>Screen Length (feet):</b> 10	
<b>DES #:</b> DES#199311019	<b>Date Start/Finish:</b> 12/6/2010	<b>TOW Elevation:</b> NA	<b>Ground Elevation:</b> NA
<b>Credere, LLC Representative:</b> Silas Canavan		<b>Well Material:</b> 2" PVC - 0.010-inch PVC Slotted Pipe and Riser	
CONTRACTOR		DRILLING EQUIPMENT	
<b>Drilling Contractor:</b> T&K Drilling		<b>Equipment:</b> 4 1/4" ID Hollow Stem Auger	
<b>Foreman:</b> Sean McGarry		<b>Casing Diameter:</b> NA	
<b>Drilling Method:</b> Hollow Stem Auger		<b>Casing Material:</b> NA	

Depth	Sample Information					Soil Description and Classification (Modified Burmeister Classification System)	Equipment Installed			Depth
	Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)					
1	S-1	24/18	0-2	14-6-8-4	ND	Medium dense, brown, fine to medium SAND, dry.	<div style="display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-family: serif; font-size: 2em; margin-right: 10px;">N O  W E L L</div> <div style="border-left: 1px solid black; border-right: 1px solid black; width: 2px; height: 100%; position: relative;"> <div style="position: absolute; top: 50%; left: -50%; right: -50%; transform: translate(-50%, -50%);"> <div style="border-top: 1px solid blue; width: 100%; height: 5px; margin-bottom: 5px;"></div> <div style="font-size: 0.8em; text-align: center;">I N S T A L L E D</div> </div> </div> </div>	1		
2								2		
3	S-2	24/3	2-4	4-4-4-5	ND			3		
4								4		
5	S-3	24/8	4-6	4-4-9-7	ND			5		
6						6				
7	S-4*	24/8	6-8	1-2-1-1	ND	7				
8						8				
9	S-5	24/18	8-10	3-2-2-3	2.5	9				
10						10				
11	S-6	24/18	10-12	14-13-13-R	1.9	11				
12						12				
13	S-7	24/12	12-14	27-31-21-31	ND	13				

14 \_\_\_\_\_ **End of exploration and well set at 14'** 14

**Remarks:**  
 TOW Elevation - Elevation of Top of Well PVC Slotted Pipe and Riser, approximate  
 NM - Not Measured  
 NS - No sample for interval  
 R - Refusal  
 \*Sample submitted for laboratory analysis  
 Graphically shows approximate depth of the water table during drilling

## Geologic Log



**Crede Associates, LLC**  
776 Main Street  
Westbrook, Maine 04092

# SB-7/MW-7

SITE INFORMATION		WELL SPECIFICATIONS	
<b>Project Number/Client:</b> 10001087 Ernies Auto Sales		<b>Well Depth (feet) from TOC:</b> 14	
<b>Site Location:</b> 180 East Main Street, Tilton, NH		<b>Screen Length (feet):</b> 10	
<b>DES #:</b> DES#199311019	<b>Date Start/Finish:</b> 12/6/2010	<b>TOW Elevation:</b> 460.83	<b>Ground Elevation:</b> 461.30 (Elevations based on USGS datum)
<b>Crede, LLC Representative:</b> Silas Canavan		<b>Well Material:</b> 2" PVC - 0.010-inch PVC Slotted Pipe and Riser	
CONTRACTOR		DRILLING EQUIPMENT	
<b>Drilling Contractor:</b> T&K Drilling		<b>Equipment:</b> 4 1/4" ID Hollow Stem Auger	
<b>Foreman:</b> Sean McGarry		<b>Casing Diameter:</b> NA	
<b>Drilling Method:</b> Hollow Stem Auger		<b>Casing Material:</b> NA	

Depth	Sample Information					Soil Description and Classification (Modified Burmeister Classification System)	Equipment Installed	Depth
	Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)			
1	S-1	24/20	0-2	29-11-13-31	2.2	Medium dense, dark brown, fine to medium SAND, dry.		1
2								2
3	S-2	24/6	2-4	30-12-7-6	2.5			3
4						Very loose, black, fine to coarse SAND, dry.		4
5	S-3	24/8	4-6	3-3-2-1	2.3			5
6						Very loose, stratified white and black, fine SAND, wet.		6
7	S-4	24/7	6-8	2-3-1-1	5.3			7
8						Dense, dark brown, fine to coarse SAND, some silt, wet. (petroleum odor)		8
9	S-5*	24/15	8-10	10-13-27-31	200.3			9
10						Dense, greenish-grey, fine to coarse GRAVEL, wet.		10
11	S-6	24/10	10-12	12-13-18-20	5.4			11
12	<b>End of sampling at 12'</b>							12
13	Drilled to 14' due to refusal							13
14	<b>End of exploration and well set at 14'</b>							14

**Remarks:**

TOW Elevation - Elevation of Top of Well PVC Slotted Pipe and Riser, approximate

NM - Not Measured

NS - No sample for interval

\*Sample submitted for laboratory analysis

Graphically shows approximate depth of the water table during drilling

Stratification lines represent approximate boundaries between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**CREDERE ASSOCIATES, LLC**  
**SURFICIAL SOIL SAMPLING LOG**  
 776 Main Street, Westbrook, Main 04092 - 207-828-1272

TEST PIT DATA:

PROJECT NAME: Ernie's Auto Sales

DATE: 12/6/10  
~~12/2/2010~~

PROJECT NUMBER: 10001087

LOCATION ACTIVITY

SAMPLE LOCATION ID: SS-2 (from SB-2)

START: ~~10:00~~ 10:20  
END: ~~10:30~~ 10:30

CREDERE REPRESENTATIVE Silas Canavan

CONTRACTOR/FOREMAN: ~~Mr.~~ T & K Drilling

LABORATORY SAMPLE DATA:

SAMPLE ID	PRESERVATION	#	SAMPLE CONTAINER	LABORATORY ANALYSIS
<u>SS-2</u>	<u>MeOH</u>	<u>2</u>		<u>VOC, TPH, PAH, PCB, PCPASE</u>

NOTES:

*Sample collected from 0-2' of soil boring SB-2.*

FIELD ANALYSIS DATA:

DEPTH	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
<u>0-2</u>	<u>SS-2</u>	<u>Dry</u>	<u>2.7</u>	Medium dense, brown and black, fine to medium SAND, some coarse gravel, log.  Some asphalt mixed in. <del>seen</del>  [-No sample left for inspection on 3/17/11]

**CREDERE ASSOCIATES, LLC**  
**SURFICIAL SOIL SAMPLING LOG**  
 776 Main Street, Westbrook, Main 04092 - 207-828-1272

**TEST PIT DATA:**

PROJECT NAME: Ernie's Auto Sales DATE: 12/2/2010  
 PROJECT NUMBER: 10001087 LOCATION ACTIVITY: \_\_\_\_\_  
 SAMPLE LOCATION ID: SS-3 START: 12:05  
 CREDERE REPRESENTATIVE: Silas Canavan END: 12:15  
 CONTRACTOR/FOREMAN: N/A

**LABORATORY SAMPLE DATA:**

SAMPLE ID	PRESERVATION	#	SAMPLE CONTAINER	LABORATORY ANALYSIS
<u>SS-3</u>	<u>MeOH</u>	<u>2</u>	_____	<u>VOC, TPH,</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

**NOTES:**

*Sample collected from outside SW corner of garage, under discarded auto gas tank.*

**FIELD ANALYSIS DATA:**

DEPTH	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
<u>0-2</u>	<u>SS-3</u>	<u>Dry</u>	<u>1.7</u>	<u>Dark brown fine sand. Some fine gravel.</u>  <u>[No sample left for observation]</u> <u>on 3/17/11</u>
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**CREDERE ASSOCIATES, LLC**  
**SURFICIAL SOIL SAMPLING LOG**  
 776 Main Street, Westbrook, Main 04092 - 207-828-1272

TEST PIT DATA:

PROJECT NAME: Ernie's Auto Sales DATE: 12/2/2010  
 PROJECT NUMBER: 10001087 LOCATION ACTIVITY:  
 SAMPLE LOCATION ID: SS-4 START: 12:21  
 CREDERE REPRESENTATIVE: Silas Canavan END: 12:30  
 CONTRACTOR/FOREMAN: N/A

LABORATORY SAMPLE DATA:

SAMPLE ID	PRESERVATION	#	SAMPLE CONTAINER	LABORATORY ANALYSIS
<u>SS-4</u>	<u>MeOH</u>	<u>2</u>		<u>VOC, TPH, PAH, PCB, PCP, P8</u>

NOTES:

*Sample collected from gravel lot near sewer manholes*

FIELD ANALYSIS DATA:

DEPTH	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
<u>0-2'</u>	<u>SS-4</u>	<u>Dry</u>		<p><del>Medium</del> Dark brown fine to medium sand, dry.</p> <p>[ - Also noted in sample were small particles (1-2mm) of asphalt, coal, charcoal, wood ash. ]</p> <p>observed on 3/17/11 from sample bag.</p>

**CREDERE ASSOCIATES, LLC**  
**SURFICIAL SOIL SAMPLING LOG**  
 776 Main Street, Westbrook, Main 04092 - 207-828-1272

**TEST PIT DATA:**

PROJECT NAME: Ernie's Auto Sales DATE: 12/2/2010  
 PROJECT NUMBER: 10001087 LOCATION ACTIVITY: \_\_\_\_\_  
 SAMPLE LOCATION ID: SS-5 START: 13:28  
 END: 13:40  
 CREDERE REPRESENTATIVE: Silas Canavan  
 CONTRACTOR/FOREMAN: N/A

**LABORATORY SAMPLE DATA:**

SAMPLE ID	PRESERVATION	#	SAMPLE CONTAINER	LABORATORY ANALYSIS
<u>SS-5</u>	<u>---</u>	<u>1</u>	_____	<u>TPH, PCBs, Copper</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

**NOTES:**

*Sample collected from SE portion of site under discarded utility poles.*

**FIELD ANALYSIS DATA:**

DEPTH	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
<u>0-2'</u>				<p>Fine to medium dark brown sand with trace of coarse gravel.</p> <p>[ -Also noted in sample were small particles (1-2mm) of asphalt, wood ash, and charcoal. ]</p> <p>observed on 3/17/11 from sample bag.</p>
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**CREDERE ASSOCIATES, LLC**  
**SURFICIAL SOIL SAMPLING LOG**  
 776 Main Street, Westbrook, Main 04092 - 207-828-1272

**TEST PIT DATA:**

PROJECT NAME: Ernie's Auto Sales DATE: 12/2/2010  
 PROJECT NUMBER: 10001087 LOCATION ACTIVITY \_\_\_\_\_  
 SAMPLE LOCATION ID: SS-6 START: 13:45  
 CREDERE REPRESENTATIVE: Silas Canavan END: 13:53  
 CONTRACTOR/FOREMAN: N/A

**LABORATORY SAMPLE DATA:**

SAMPLE ID	PRESERVATION	#	SAMPLE CONTAINER	LABORATORY ANALYSIS
<u>SS-6</u>	<u>---</u>	<u>1</u>	<u>---</u>	<u>PCB</u>

**NOTES:**

*Sample collected from base of utility pole adjacent to roadway.*

**FIELD ANALYSIS DATA:**

DEPTH	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
<u>0-2'</u>				<i>Light brown, fine to medium sand. Dry</i>  <i>- Also noted in sample were small particles (1-2 mm) of asphalt, wood ash, and charcoal.</i>  <i>observed on 3/17/11 from sample bag.</i>

**CREDERE ASSOCIATES, LLC**  
**SURFICIAL SOIL SAMPLING LOG**  
 776 Main Street, Westbrook, Main 04092 - 207-828-1272

TEST PIT DATA:

PROJECT NAME: Ernie's Auto Sales DATE: 12/6/10  
12/2/2010  
 PROJECT NUMBER: 10001087 LOCATION ACTIVITY: \_\_\_\_\_  
 SAMPLE LOCATION ID: SS-7 (From SB-7) START: 10:30  
 END: 10:40  
 CREDERE REPRESENTATIVE: Silas Canavan  
 CONTRACTOR/FOREMAN: N/A

LABORATORY SAMPLE DATA:

SAMPLE ID	PRESERVATION	#	SAMPLE CONTAINER	LABORATORY ANALYSIS
<u>SS-7</u>	<u>MEOH</u>	<u>2</u>	_____	<u>VOC, TPH, PAH, PCB, PCRA 8</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

NOTES: Sample collected from top 2 feet of SB-7.

FIELD ANALYSIS DATA:

DEPTH	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
<u>0-2</u>	<u>SS-7</u>	<u>Dry</u>	<u>2.2</u>	<u>Medium dense, dark brown, fine to medium SAND, dry.</u>  <u>[-No sample left for inspection]</u> <u>on 3/17/11</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____



**CREDERE ASSOCIATES, LLC**  
**TEST PIT SAMPLING LOG**  
 776 Main Street, Westbrook, Main 04092 - 207-828-1272

**TEST PIT DATA:**

PROJECT NAME: Ernie's Auto Sales DATE: 12/2/2010  
 PROJECT NUMBER: 10001087 LOCATION ACTIVITY: \_\_\_\_\_  
 SAMPLE LOCATION ID: TP-1 START: 15:00  
 CREDERE REPRESENTATIVE Silas Canavan END: 15:30  
 CONTRACTOR/FOREMAN: N/A

**LABORATORY SAMPLE DATA:**

SAMPLE ID	PRESERVATION	#	SAMPLE CONTAINER	LABORATORY ANALYSIS
<u>TP-1</u>	<u>MeOH</u>	<u>2</u>	<u>VOL</u>	<u>VOC, PAH, PCRA 8</u>

**NOTES:**

*Hand excavated test pit in fill pile on SE corner of property. Waste asphalt observed on bottom surface of ~~test pit~~ fill pile.*

**FIELD ANALYSIS DATA:**

DEPTH	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
1	TP-1	DRY	1.6	4" brush/grass
2				Greenish-brown, fine to medium SAND, dry.
3				(No evidence of contamination observed)

**APPENDIX D**  
**GROUNDWATER SAMPLING LOGS**



LOW FLOW SAMPLING LOG  
 CREDERE ASSOCIATES



PROJECT NAME: Ernies Auto Sales DATE: 12/8/2010

PROJECT NUMBER: 10001087 LOCATION ACTIVITY

SAMPLE LOCATION ID: MW-1 START: 8:35  
 END: \_\_\_\_\_

WELL DATA:

WELL DEPTH (ft): 13.47  MEASURED  HISTORICAL  TOP OF WELL  TOP OF CASING  FROM GRADE  
 WATER DEPTH (ft): 7.19  MEASURED  HISTORICAL  \_\_\_\_\_

WATER LEVEL EQUIPMENT USED:  
 ELECT. COND. PROBE  
 FLOAT ACTIVATED PROBE  
 PRESSURE TRANSDUCER

WELL MATERIAL:  PVC  SS  \_\_\_\_\_  
 WELL LOCKED:  YES  NO  
 PROTECTIVE CASING SECURE:  YES  NO  
 CONCRETE COLLAR INTACT:  YES  NO  
 AMBIENT AIR VOC: \_\_\_\_\_ PPM  
 WELL MOUTH VOC: \_\_\_\_\_ PPM

EQUIPMENT DATA:

PURGING SAMPLING  
 PERISTALTIC PUMP  SUBMERSIBLE  BLADDER PUMP  HAND PUMP  
 DEDICATED HDPE NEW HDPE  DEDICATED LDPE NEW LDPE  FILTER (Metals)

METER ID  
YS1  
Capite 2020

DECONTAMINATION FLUIDS USED:  
 DISTILLED WATER  
 DEIONIZED WATER  
 POTABLE WATER  
 TSP SOLUTION  
 ALCONOX SOLUTION  
 NONE

FIELD ANALYSIS DATA:

PUMP ON: 8:50 PUMP OFF: 10:00 STABLE FLOW RATE (ml/min): 400  MEASURED  ESTIMATED

TIME	TEMP (°C)	pH	COND. (mS)	ORP (mV)	D.O. (mg/l)	TURBID. (ntu)	COMMENTS
8:58	9.42	7.84	0.359	-21.8	2.81	238	
9:16	9.75	6.04	0.349	23.1	0.83	23.4	
9:23	9.89	5.95	0.348	26.8	0.76	9.48	
9:32	9.87	5.92	0.348	28.6	0.77	7.50	
9:38	9.77	5.92	0.345	32.0	0.78	6.85	
9:43	9.82	5.92	0.345	33.1	0.78	6.89	
9:48	9.72	5.90	0.343	33.3	0.77	6.90	<del>9.48</del>

SAMPLE DATA:

SAMPLE TIME	SAMPLE BOTTLE ID LOCATION	PRESERVATION METHOD	SAMPLE CONTAINER # TYPE	LABORATORY ANALYSIS
9:55	MW-1	HCl	2 VOA	VOC
↓	MW-1	HNO3	1 250ml HDPE	PCRA 8
↓	MW-1	—	1 1L Amber	PAT

NOTES: Dup @ this location

[Signature]  
 SAMPLER

LOW FLOW SAMPLING LOG  
 CREDERE ASSOCIATES



PROJECT NAME: Ernie's Auto Sales

DATE: 12/8/2010

PROJECT NUMBER: 10001087

LOCATION ACTIVITY

SAMPLE LOCATION ID: MW-2

START: 12:37

END: 14:15

WELL DATA:

WELL DEPTH (ft): 13.50  MEASURED  HISTORICAL  TOP OF WELL  TOP OF CASING  FROM GRADE  
 WATER DEPTH (ft): 8.75  MEASURED  HISTORICAL

WATER LEVEL EQUIPMENT USED:  
 ELECT. COND. PROBE  
 FLOAT ACTIVATED PROBE  
 PRESSURE TRANSDUCER

WELL MATERIAL:  PVC  SS  \_\_\_\_\_  
 WELL LOCKED:  YES  NO  
 PROTECTIVE CASING SECURE:  YES  NO  
 CONCRETE COLLAR INTACT:  YES  NO  
 AMBIENT AIR VOC: \_\_\_\_\_ PPM  
 WELL MOUTH VOC: \_\_\_\_\_ PPM

EQUIPMENT DATA:

PURGING SAMPLING

PERISTALTIC PUMP  pH  
 SUBMERSIBLE  Specific Conductivity  
 BLADDER PUMP  Dissolved Oxygen  
 HAND PUMP  ORP  
 DEDICATED HDPE  Turbidity  
 NEW HDPE  
 DEDICATED LDPE  
 NEW LDPE  
 FILTER (Metals)

METER ID: Y31  
Cal. the 2006  
 DECONTAMINATION FLUIDS USED:  
 DISTILLED WATER  
 DEIONIZED WATER  
 POTABLE WATER  
 TSP SOLUTION  
 ALCONOX SOLUTION  
 NONE

FIELD ANALYSIS DATA:

PUMP ON: 12:40 PUMP OFF: 14:10 STABLE FLOW RATE (ml/min): 150 ~~426~~  MEASURED  ESTIMATED

TIME	TEMP (°C)	pH	COND. (mS)	ORP (mV)	D.O. (mg/l)	TURBID. (ntu)	COMMENTS
12:46	11.22	6.19	1.003	35.0	2.23	118	
12:57	11.01	6.04	1.004	20.6	2.51	66.3	
13:09	11.35	6.06	0.944	-5.7	0.99		
13:39	10.87	6.24	0.853	-15.8	1.54	48.4	
13:45	9.95	6.16	0.857	-12.3	1.46	42.3	
13:50	9.74	6.14	0.852	-11.9	1.40	45.7	
13:55	9.63	6.12	0.847	-13.9	1.36	44.1	

SAMPLE DATA:

SAMPLE BOTTLE ID	PRESERVATION METHOD	SAMPLE CONTAINER #	LABORATORY ANALYSIS
TIME LOCATION: <u>14:03 MW-2</u>	<u>HCl</u>	<u>2</u>	<u>VOC</u>
	<u>HNO3</u>	<u>1</u>	<u>Metals</u>
	<u>φ</u>	<u>1</u>	<u>PAH</u>

NOTES:

[Signature]  
 SAMPLER

LOW FLOW SAMPLING LOG  
 CREDERE ASSOCIATES



PROJECT NAME: Ernies Auto Sales DATE: 12/8/2010

PROJECT NUMBER: 10001087 LOCATION ACTIVITY

SAMPLE LOCATION ID: MW-3 START: 9:25  
 END: 11:05

WELL DATA:

WELL DEPTH (ft): 13.50 [ ] MEASURED [ ] TOP OF WELL WATER LEVEL EQUIPMENT USED:  
 [ ] HISTORICAL [ ] TOP OF CASING [ ] ELECT. COND. PROBE  
 [ ] FROM GRADE [ ] FLOAT ACTIVATED PROBE  
 WATER DEPTH (ft): 6.88 [ ] MEASURED [ ] \_\_\_\_\_ [ ] PRESSURE TRANSDUCER  
 [ ] HISTORICAL [ ] \_\_\_\_\_

WELL MATERIAL: WELL PROTECTIVE CASING CONCRETE COLLAR  
 [  ] PVC LOCKED: SECURE: INTACT: AMBIENT AIR VOC: \_\_\_\_\_ PPM  
 [ ] SS [ ] YES [  ] YES [  ] YES  
 [ ] \_\_\_\_\_ [  ] NO [ ] NO [ ] NO WELL MOUTH VOC: \_\_\_\_\_ PPM

EQUIPMENT DATA:

PURGING SAMPLING

PERISTALTIC PUMP [ ] pH  
 SUBMERSIBLE [ ] Specific Conductivity  
 BLADDER PUMP [ ] Dissolved Oxygen  
 HAND PUMP [ ] ORP  
 DEDICATED HDPE [ ] Turbidity  
 NEW HDPE  
 DEDICATED LDPE  
 NEW LDPE  
 FILTER (Metals)

METER ID  
V51  
Corbett 2000  
 DECONTAMINATION FLUIDS USED:  
 DISTILLED WATER  
 DEIONIZED WATER  
 POTABLE WATER  
 TSP SOLUTION  
 ALCONOX SOLUTION  
 NONE

FIELD ANALYSIS DATA:

PUMP ON: 9:35 PUMP OFF: \_\_\_\_\_ STABLE FLOW RATE (ml/min): 350 [ ] MEASURED [  ] ESTIMATED

TIME	TEMP (°C)	pH	COND. (mS)	ORP (mV)	D.O. (mg/l)	TURBID. (ntu)	COMMENTS
9:41	9.14	7.59	0.559	74.7	3.76	212	
9:46	9.50	7.41	0.553	65.9	2.52		
9:53	9.67	7.30	0.530	32.3	1.79	54.2	Ret. odor
9:59	9.46	7.27	0.478	-56.2	1.10		
10:12	9.49	7.21	0.458	-72.9	0.93	7.90	Ret odor
10:20	9.43	7.24	0.451	-74.0	0.85		
10:28	9.31	7.26	0.445	-90.1	0.82		
10:36	9.38	7.26	0.441	-103.1	0.63	5.66	
10:42	9.33	7.28	0.438	-100.1	0.61		
10:47	9.36	7.31	0.437	-100.5	0.64	5.59	

SAMPLE DATA:

SAMPLE BOTTLE ID	PRESERVATION METHOD	SAMPLE CONTAINER #	LABORATORY ANALYSIS
10:53 MW-3	HCl	2	VIA
10:53	HNO <sub>3</sub>	1	250ml HDPE
			VOC
			Lead

NOTES:

[Signature]  
 SAMPLER

**LOW FLOW SAMPLING LOG  
CREDERE ASSOCIATES**



PROJECT NAME: Ernies Auto Sales DATE: 12/8/2010

PROJECT NUMBER: 10001087 LOCATION ACTIVITY

SAMPLE LOCATION ID: MW-5 START: 10:22  
END: 12:30

**WELL DATA:**

WELL DEPTH (ft): 13.48  MEASURED  HISTORICAL  TOP OF WELL  TOP OF CASING  ELECT. COND. PROBE  
 WATER DEPTH (ft): 6.55  MEASURED  HISTORICAL  FROM GRADE  FLOAT ACTIVATED PROBE  
 \_\_\_\_\_  \_\_\_\_\_  PRESSURE TRANSDUCER

WELL MATERIAL:  PVC  SS  \_\_\_\_\_  
 WELL LOCKED:  YES  NO  
 PROTECTIVE CASING SECURE:  YES  NO  
 CONCRETE COLLAR INTACT:  YES  NO  
 AMBIENT AIR VOC: \_\_\_\_\_ PPM  
 WELL MOUTH VOC: \_\_\_\_\_ PPM

**EQUIPMENT DATA:**

PURGING SAMPLING  PERISTALTIC PUMP  SUBMERSIBLE  BLADDER PUMP  HAND PUMP  DEDICATED HDPE  NEW HDPE  DEDICATED LDPE  NEW LDPE  FILTER (metals)

METER ID 357  
10/10/2010

DECONTAMINATION FLUIDS USED:  
 DISTILLED WATER  
 DEIONIZED WATER  
 POTABLE WATER  
 TSP SOLUTION  
 ALCONOX SOLUTION  
 NONE

**FIELD ANALYSIS DATA:**

PUMP ON: 11:35 PUMP OFF: 12:30 STABLE FLOW RATE (ml/min): 400  MEASURED  ESTIMATED

TIME	TEMP (°C)	pH	COND. (mS)	ORP (mV)	D.O. (mg/l)	TURBID. (ntu)	COMMENTS
10:40	11.28	6.26	0.295	-5.1	2.77	221	
10:46	11.63	6.21	0.302	-14.6	2.50		
11:02	11.72	6.25	0.312	-26.6	1.76	92.5	
11:10	11.94	6.26	0.318	-32.3	1.46		
11:20	11.85	6.26	0.322	-30.9	1.28	213	
11:29	11.72	6.29	0.324	-38.4	0.94		
11:35	11.71	6.30	0.324	-43.4	0.80		
12:01	12.08	6.33	0.332	-55.5	0.61		
12:08	12.06	6.35	0.331	-57.5	0.83	88.5	
12:16	12.11	6.36	0.331	-59.4	0.79		

**SAMPLE DATA:**

SAMPLE BOTTLE ID	PRESERVATION METHOD	SAMPLE CONTAINER #	LABORATORY ANALYSIS
12:20 MW-5	HCl	2	VOC
MW-5	#HNO3	1	Metals
MW-5	—	1	PAH

NOTES:

*[Signature]*  
SAMPLER

**LOW FLOW SAMPLING LOG**  
**CREDERE ASSOCIATES**



PROJECT NAME: Ernies Auto Sales

DATE: 12/8/2010

PROJECT NUMBER: 10001087

LOCATION ACTIVITY

SAMPLE LOCATION ID: MW-7

START: 11:05  
END: 12:42

**WELL DATA:**

WELL DEPTH (ft): 13.40  MEASURED  HISTORICAL  TOP OF WELL  TOP OF CASING  FROM GRADE  
WATER DEPTH (ft): 6.00  MEASURED  HISTORICAL  \_\_\_\_\_

WATER LEVEL EQUIPMENT USED:  
 ELECT. COND. PROBE  
 FLOAT ACTIVATED PROBE  
 PRESSURE TRANSDUCER

WELL MATERIAL:  PVC  SS  \_\_\_\_\_  
WELL LOCKED:  YES  NO  
PROTECTIVE CASING SECURE:  YES  NO  
CONCRETE COLLAR INTACT:  YES  NO  
AMBIENT AIR VOC: \_\_\_\_\_ PPM  
WELL MOUTH VOC: \_\_\_\_\_ PPM

**EQUIPMENT DATA:**

**PURGING SAMPLING**

PERISTALTIC PUMP  pH  
 SUBMERSIBLE  Specific Conductivity  
 BLADDER PUMP  Dissolved Oxygen  
 HAND PUMP  ORP  
 DEDICATED HDPE  Turbidity  
 NEW HDPE  
 DEDICATED LDPE  
 NEW LDPE  
 FILTER (metals)

METER ID  
YSI  
101010200

DECONTAMINATION FLUIDS USED:  
 DISTILLED WATER  
 DEIONIZED WATER  
 POTABLE WATER  
 TSP SOLUTION  
 ALCONOX SOLUTION  
 NONE

**FIELD ANALYSIS DATA:**

PUMP ON: \_\_\_\_\_ PUMP OFF: \_\_\_\_\_ STABLE FLOW RATE (ml/min): 200  MEASURED  ESTIMATED

TIME	TEMP (°C)	pH	COND. (mS)	ORP (mV)	D.O. (mg/l)	TURBID. (ntu)	COMMENTS
11:16	11.50	7.22	1.67	51.8	0.82		
11:22	11.68	7.24	1.904	52.3	0.67	77.0	
<del>11:24</del>	11.58	7.27	1.709	50.6	0.74		
11:44	11.81	7.30	1.720	40.8	0.57	47.3	
12:01	11.82	7.35	1.721	31.0	0.37		
12:07	11.78	7.35	1.718	28.2	0.34		
12:16	11.71	7.36	1.718	23.8	0.27		
12:21	11.70	7.36	1.716	23.7	0.27		

**SAMPLE DATA:**

SAMPLE BOTTLE ID	PRESERVATION METHOD	SAMPLE CONTAINER #	LABORATORY ANALYSIS
TIME: <u>12:30</u> LOCATION: <u>MW-7</u>	<u>HCl</u>	<u>2</u>	<u>VOC</u>
	<u>None</u>	<u>1</u>	<u>PAH</u>
	<u>HNO3</u>	<u>1</u>	<u>PCBA &amp; Metals</u>

**NOTES:**

JBO  
SAMPLER

**APPENDIX E**

**LABORATORY ANALYTICAL RESULTS**





# Laboratory Report

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## Resource Laboratories, LLC

124 Heritage Avenue #10 Portsmouth, NH 03801

Silas Canavan  
CREDERE Associates  
776 Main Street  
Westbrook, ME 04092

PO Number: None  
Job ID: 20590  
Date Received: 12/2/10

Project: Ernies Auto Sales 10001087

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,  
Resource Laboratories, LLC



Sue Sylvester  
Principal, General Manager

Date of Approval: 12/13/2010

Total number of pages: 22

### Resource Laboratories, LLC Certifications

New Hampshire 1732  
Maine NH903

Massachusetts M-NH902

**RL** Resource Laboratories, LLC

Voice: 603-436-2001 Fax: 603-430-2100

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

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-001

Sample ID: SS-3

Matrix: Solid Percent Dry: 88.9 %

Sampled: 12/2/10 14:59

Parameter	Result	Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.4	0.4	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-001

Sample ID: SS-3

Matrix: Solid Percent Dry: 88.9 %

Sampled: 12/2/10 14:59

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>93</b>	78-114	%	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
toluene-D8 SUR	<b>100</b>	88-110	%	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
4-bromofluorobenzene SUR	<b>99</b>	86-115	%	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B
a,a,a-trifluorotoluene SUR	<b>97</b>	70-130	%	1	LMM	12/7/10	3842	12/9/10	6:12	SW5035A8260B

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-002

Sample ID: SS-4

Matrix: Solid Percent Dry: 86.2 %

Sampled: 12/2/10 15:03

Parameter	Result	Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
acetone	< 3	3	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
t-butanol (TBA)	< 3	3	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
tetrahydrofuran (THF)	< 0.5	0.5	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,4-dioxane	< 3	3	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.5	0.5	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
2-hexanone	< 0.5	0.5	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-002

Sample ID: SS-4

Matrix: Solid Percent Dry: 86.2 %

Sampled: 12/2/10 15:03

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>94</b>	78-114	%	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
toluene-D8 SUR	<b>97</b>	88-110	%	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
4-bromofluorobenzene SUR	<b>97</b>	86-115	%	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B
a,a,a-trifluorotoluene SUR	<b>97</b>	70-130	%	1	LMM	12/7/10	3842	12/9/10	1:35	SW5035A8260B

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-005

Sample ID: TP-1

Matrix: Solid Percent Dry: 87.3 %

Sampled: 12/2/10 15:14

Parameter	Result	Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
2-butanone (MEK)	< 0.2	0.2	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.4	0.4	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-005

Sample ID: TP-1

Matrix: Solid Percent Dry: 87.3 %

Sampled: 12/2/10 15:14

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>95</b>	78-114	%	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
toluene-D8 SUR	<b>98</b>	88-110	%	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
4-bromofluorobenzene SUR	<b>98</b>	86-115	%	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B
a,a,a-trifluorotoluene SUR	<b>95</b>	70-130	%	1	LMM	12/7/10	3842	12/9/10	2:05	SW5035A8260B

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-006

Sample ID: DUP-SS

Matrix: Solid Percent Dry: 85.6 %

Sampled: 12/2/10 15:03

Parameter	Result	Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
acetone	< 3	3	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
t-butanol (TBA)	< 3	3	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
tetrahydrofuran (THF)	< 0.5	0.5	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,4-dioxane	< 3	3	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.5	0.5	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
2-hexanone	< 0.5	0.5	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B



Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-006

Sample ID: DUP-SS

Matrix: Solid Percent Dry: 85.6 %

Sampled: 12/2/10 15:03

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>94</b>	78-114	%	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
toluene-D8 SUR	<b>97</b>	88-110	%	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
4-bromofluorobenzene SUR	<b>91</b>	86-115	%	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B
a,a,a-trifluorotoluene SUR	<b>96</b>	70-130	%	1	LMM	12/7/10	3842	12/9/10	2:36	SW5035A8260B

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-007

Sample ID: Trip Blank

Matrix: Solid Results expressed on a weight as received basis

Sampled: 12/2/10

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
tetrahydrofuran (THF)	< 0.5	0.5	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.4	0.4	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
2-hexanone	< 0.5	0.5	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-007

Sample ID: Trip Blank

Matrix: Solid Results expressed on a weight as received basis

Sampled: 12/2/10

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>94</b>	78-114	%	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
toluene-D8 SUR	<b>99</b>	88-110	%	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
4-bromofluorobenzene SUR	<b>94</b>	86-115	%	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B
a,a,a-trifluorotoluene SUR	<b>90</b>	70-130	%	1	LMM	12/7/10	3842	12/9/10	0:33	SW5035A8260B

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-002

Sample ID: SS-4

Matrix: Solid Percent Dry: 86.2 %

Sampled: 12/2/10 15:03

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	< 0.5	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
2-methylnaphthalene	< 0.5	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
acenaphthylene	<b>1.2</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
acenaphthene	< 0.5	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
dibenzofuran	< 0.5	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
fluorene	< 0.5	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
phenanthrene	<b>2.2</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
anthracene	< 0.5	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
fluoranthene	<b>4.6</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
pyrene	<b>5.3</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
benzo(a)anthracene	<b>2.8</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
chrysene	<b>3.6</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
benzo(b)fluoranthene	<b>2.1</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
benzo(k)fluoranthene	<b>2.6</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
benzo(a)pyrene	<b>2.6</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
indeno(1,2,3-cd)pyrene	<b>1.4</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
dibenzo(a,h)anthracene	<b>0.6</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
benzo(g,h,i)perylene	<b>1.6</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>130 *</b>	43-116	%	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D
o-terphenyl SUR	<b>154 *</b>	33-141	%	1	AJD	12/6/10	3840	12/10/10	23:59	SW3550B8270D

*\* The surrogate showed recovery outside the acceptance limits. Re-extraction of the sample showed similar results. Matrix interference suspected.*

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-003

Sample ID: SS-5

Matrix: Solid Percent Dry: 85.3% Results expressed on a dry weight basis.

Sampled: 12/2/10 15:09

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
N-nitrosodimethylamine	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
aniline	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
phenol	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2-chlorophenol	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
bis(2-chloroethyl)ether	< 0.3	0.3	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
1,3-dichlorobenzene	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
1,4-dichlorobenzene	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
1,2-dichlorobenzene	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
benzyl alcohol	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2-methylphenol	< 0.3	0.3	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
bis(2-chloroisopropyl) ether	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
hexachloroethane	< 0.3	0.3	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
N-nitroso-di-N-propylamine	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
4-methylphenol	< 0.3	0.3	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
nitrobenzene	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
isophorone	< 0.3	0.3	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2-nitrophenol	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2,4-dimethylphenol	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
bis(2-chloroethoxy)methane	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2,4-dichlorophenol	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
1,2,4-trichlorobenzene	< 2.9	2.9	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
naphthalene	< 0.29	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
benzoic acid	< 29	29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
4-chloroaniline	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
hexachlorobutadiene	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
4-chloro-3-methylphenol	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2-methylnaphthalene	< 0.29	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
hexachlorocyclopentadiene	< 11	11	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2,4,6-trichlorophenol	< 0.3	0.3	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2,4,5-trichlorophenol	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2-chloronaphthalene	< 2.9	2.9	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2-nitroaniline	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
acenaphthylene	<b>0.71</b>	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
dimethylphthalate	< 2.9	2.9	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2,6-dinitrotoluene	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2,4-dinitrotoluene	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
acenaphthene	< 0.29	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
3-nitroaniline	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2,4-dinitrophenol	< 29	29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
dibenzofuran	< 0.29	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
4-nitrophenol	< 11	11	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
fluorene	< 0.29	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
diethyl phthalate	< 2.9	2.9	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-003

Sample ID: SS-5

Matrix: Solid Percent Dry: 85.3% Results expressed on a dry weight basis.

Sampled: 12/2/10 15:09

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
4-chlorophenyl phenyl ether	< 2.9	2.9	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
4-nitroaniline	< 2.9	2.9	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
4,6-dinitro-2-methylphenol	< 11	11	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
azobenzene	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
N-nitrosodiphenylamine	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
4-bromophenyl phenyl ether	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
hexachlorobenzene	< 0.3	0.3	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
pentachlorophenol	< 6	6	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
phenanthrene	<b>2.8</b>	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
anthracene	<b>1.3</b>	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
carbazole	< 1.1	1.1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
di-n-butylphthalate	< 2.9	2.9	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
fluoranthene	<b>12</b>	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
benzidine	< 1	1	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
pyrene	<b>9.8</b>	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
butyl benzyl phthalate	< 2.9	2.9	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
benzo(a)anthracene	<b>3.5</b>	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
chrysene	<b>6.3</b>	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
3,3'-dichlorobenzidine	< 0.3	0.3	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
bis(2-ethylhexyl)phthalate	< 2.9	2.9	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
di-n-octyl phthalate	< 2.9	2.9	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
benzo(b)fluoranthene	<b>3.3</b>	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
benzo(k)fluoranthene	<b>3.3</b>	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
benzo(a)pyrene	<b>2.4</b>	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
indeno(1,2,3-cd)pyrene	<b>1.3</b>	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
dibenzo(a,h)anthracene	<b>0.68</b>	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
benzo(g,h,i)perylene	<b>1.4</b>	0.29	ug/g	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorophenol SUR	<b>76</b>	21-100	%	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
phenol-D5 SUR	<b>71</b>	10-102	%	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2,4,6-tribromophenol SUR	<b>50</b>	10-123	%	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
nitrobenzene-D5 SUR	<b>60</b>	35-114	%	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
2-fluorobiphenyl SUR	<b>69</b>	43-116	%	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D
p-terphenyl-D14 SUR	<b>51</b>	33-141	%	5	AJD	12/7/10	3847	12/8/10	21:45	SW3546/8270D

Note: Dilution was required due to matrix interference, causing internal standard suppression.

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-005

Sample ID: TP-1

Matrix: Solid Percent Dry: 87.3 %

Sampled: 12/2/10 15:14

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	< 0.5	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
2-methylnaphthalene	< 0.5	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
acenaphthylene	<b>0.6</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
acenaphthene	< 0.5	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
dibenzofuran	< 0.5	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
fluorene	< 0.5	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
phenanthrene	<b>1.9</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
anthracene	<b>0.7</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
fluoranthene	<b>7.0</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
pyrene	<b>6.5</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
benzo(a)anthracene	<b>4.2</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
chrysene	<b>4.0</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
benzo(b)fluoranthene	<b>3.1</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
benzo(k)fluoranthene	<b>2.5</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
benzo(a)pyrene	<b>3.4</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
indeno(1,2,3-cd)pyrene	<b>1.9</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
dibenzo(a,h)anthracene	<b>0.6</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
benzo(g,h,i)perylene	<b>2.2</b>	0.5	ug/g	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>77</b>	43-116	%	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D
o-terphenyl SUR	<b>86</b>	33-141	%	1	AJD	12/6/10	3840	12/9/10	22:44	SW3550B8270D

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-006

Sample ID: DUP-SS

Matrix: Solid Percent Dry: 85.6 %

Sampled: 12/2/10 15:03

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	< 0.6	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
2-methylnaphthalene	< 0.6	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
acenaphthylene	<b>0.7</b>	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
acenaphthene	< 0.6	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
dibenzofuran	< 0.6	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
fluorene	< 0.6	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
phenanthrene	<b>1.4</b>	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
anthracene	< 0.6	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
fluoranthene	<b>2.7</b>	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
pyrene	<b>3.1</b>	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
benzo(a)anthracene	<b>1.5</b>	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
chrysene	<b>2.1</b>	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
benzo(b)fluoranthene	<b>1.1</b>	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
benzo(k)fluoranthene	<b>1.4</b>	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
benzo(a)pyrene	<b>1.4</b>	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
indeno(1,2,3-cd)pyrene	<b>0.8</b>	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
dibenzo(a,h)anthracene	< 0.6	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
benzo(g,h,i)perylene	<b>1.0</b>	0.6	ug/g	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>79</b>	43-116	%	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D
o-terphenyl SUR	<b>85</b>	33-141	%	1	AJD	12/6/10	3840	12/9/10	23:22	SW3550B8270D



Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-002

Sample ID: SS-4

Matrix: Solid Percent Dry: 86.2 %

Sampled: 12/2/10 15:03

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:03	SW3546/8082
PCB-1221	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:03	SW3546/8082
PCB-1232	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:03	SW3546/8082
PCB-1242	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:03	SW3546/8082
PCB-1248	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:03	SW3546/8082
PCB-1254	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:03	SW3546/8082
PCB-1260	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:03	SW3546/8082
<b>Surrogate Recovery</b>		<b>Limits</b>								
tetrachloro-m-xylene SUR	<b>95</b>	30-150	%	1	JLZ	12/6/10	3841	12/7/10	1:03	SW3546/8082
decachlorobiphenyl SUR	<b>97</b>	30-150	%	1	JLZ	12/6/10	3841	12/7/10	1:03	SW3546/8082

Sample#: 20590-004

Sample ID: SS-6

Matrix: Solid Percent Dry: 95.8 %

Sampled: 12/2/10 15:11

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:34	SW3546/8082
PCB-1221	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:34	SW3546/8082
PCB-1232	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:34	SW3546/8082
PCB-1242	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:34	SW3546/8082
PCB-1248	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:34	SW3546/8082
PCB-1254	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:34	SW3546/8082
PCB-1260	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	1:34	SW3546/8082
<b>Surrogate Recovery</b>		<b>Limits</b>								
tetrachloro-m-xylene SUR	<b>102</b>	30-150	%	1	JLZ	12/6/10	3841	12/7/10	1:34	SW3546/8082
decachlorobiphenyl SUR	<b>98</b>	30-150	%	1	JLZ	12/6/10	3841	12/7/10	1:34	SW3546/8082

**Project ID:** Ernies Auto Sales 10001087

**Job ID:** 20590

**Sample#:** 20590-006

**Sample ID:** DUP-SS

**Matrix:** Solid      **Percent Dry:** 85.6 %

**Sampled:** 12/2/10 15:03

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	2:04	SW3546/8082
PCB-1221	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	2:04	SW3546/8082
PCB-1232	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	2:04	SW3546/8082
PCB-1242	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	2:04	SW3546/8082
PCB-1248	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	2:04	SW3546/8082
PCB-1254	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	2:04	SW3546/8082
PCB-1260	< 0.2	0.2	ug/g	1	JLZ	12/6/10	3841	12/7/10	2:04	SW3546/8082
<b>Surrogate Recovery</b>		<b>Limits</b>								
tetrachloro-m-xylene SUR	<b>99</b>	30-150	%	1	JLZ	12/6/10	3841	12/7/10	2:04	SW3546/8082
decachlorobiphenyl SUR	<b>86</b>	30-150	%	1	JLZ	12/6/10	3841	12/7/10	2:04	SW3546/8082

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-001

Sample ID: SS-3

Matrix: Solid Percent Dry: 88.9 %

Sampled: 12/2/10 14:59

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Prep Analyst Date	Batch	Analysis Date	Time	Reference
TPH C10-C36	< 210	210	ug/g	1	JLZ 12/6/10	3837	12/8/10	0:57	SW3550B8100m
<b>Surrogate Recovery</b>		<b>Limits</b>							
2-fluorobiphenyl SUR	<b>74</b>	40-140	%	1	JLZ 12/6/10	3837	12/8/10	0:57	SW3550B8100m
o-terphenyl SUR	<b>89</b>	40-140	%	1	JLZ 12/6/10	3837	12/8/10	0:57	SW3550B8100m

Sample#: 20590-002

Sample ID: SS-4

Matrix: Solid Percent Dry: 86.2 %

Sampled: 12/2/10 15:03

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Prep Analyst Date	Batch	Analysis Date	Time	Reference
TPH C10-C36	< 220	220	ug/g	1	JLZ 12/6/10	3837	12/8/10	1:46	SW3550B8100m
<b>Surrogate Recovery</b>		<b>Limits</b>							
2-fluorobiphenyl SUR	<b>72</b>	40-140	%	1	JLZ 12/6/10	3837	12/8/10	1:46	SW3550B8100m
o-terphenyl SUR	<b>84</b>	40-140	%	1	JLZ 12/6/10	3837	12/8/10	1:46	SW3550B8100m

Sample#: 20590-003

Sample ID: SS-5

Matrix: Solid Percent Dry: 85.3 %

Sampled: 12/2/10 15:09

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Prep Analyst Date	Batch	Analysis Date	Time	Reference
TPH C10-C36	< 230	230	ug/g	1	JLZ 12/6/10	3837	12/8/10	2:02	SW3550B8100m
<b>Surrogate Recovery</b>		<b>Limits</b>							
2-fluorobiphenyl SUR	<b>77</b>	40-140	%	1	JLZ 12/6/10	3837	12/8/10	2:02	SW3550B8100m
o-terphenyl SUR	<b>88</b>	40-140	%	1	JLZ 12/6/10	3837	12/8/10	2:02	SW3550B8100m

Sample#: 20590-006

Sample ID: DUP-SS

Matrix: Solid Percent Dry: 85.6 %

Sampled: 12/2/10 15:03

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Prep Analyst Date	Batch	Analysis Date	Time	Reference
TPH C10-C36	< 220	220	ug/g	1	JLZ 12/6/10	3837	12/8/10	1:30	SW3550B8100m
<b>Surrogate Recovery</b>		<b>Limits</b>							
2-fluorobiphenyl SUR	<b>76</b>	40-140	%	1	JLZ 12/6/10	3837	12/8/10	1:30	SW3550B8100m
o-terphenyl SUR	<b>86</b>	40-140	%	1	JLZ 12/6/10	3837	12/8/10	1:30	SW3550B8100m

Project ID: Ernies Auto Sales 10001087

Job ID: 20590

Sample#: 20590-002

Sample ID: SS-4

Matrix: Solid Percent Dry: 86.2 %

Sampled: 12/2/10 15:03

Parameter	Result	Quant Limit	Units	Instr Dil'n		Prep		Analysis		
				Factor	Analyst	Date	Batch	Date	Time	Reference
Arsenic	8.7	0.6	ug/g	1	BJS	12/7/10	3853	12/7/10	17:17	SW3051A6010C
Barium	61	3	ug/g	1	BJS	12/7/10	3853	12/7/10	17:17	SW3051A6010C
Cadmium	< 0.2	0.2	ug/g	1	BJS	12/7/10	3853	12/7/10	17:17	SW3051A6010C
Chromium	21	3	ug/g	1	BJS	12/7/10	3853	12/7/10	17:17	SW3051A6010C
Lead	59	0.6	ug/g	1	BJS	12/7/10	3853	12/7/10	17:17	SW3051A6010C
Mercury	0.11	0.07	ug/g	1	BJS	12/3/10	3833	12/3/10	12:54	SW7471B
Selenium	< 3	3	ug/g	1	BJS	12/7/10	3853	12/7/10	17:17	SW3051A6010C
Silver	< 0.4	0.4	ug/g	1	BJS	12/7/10	3853	12/7/10	17:17	SW3051A6010C

Sample#: 20590-003

Sample ID: SS-5

Matrix: Solid Percent Dry: 85.3 %

Sampled: 12/2/10 15:09

Parameter	Result	Quant Limit	Units	Instr Dil'n		Prep		Analysis		
				Factor	Analyst	Date	Batch	Date	Time	Reference
Arsenic	6.2	0.5	ug/g	1	BJS	12/7/10	3853	12/7/10	17:26	SW3051A6010C
Barium	43	3	ug/g	1	BJS	12/7/10	3853	12/7/10	17:26	SW3051A6010C
Cadmium	< 0.2	0.2	ug/g	1	BJS	12/7/10	3853	12/7/10	17:26	SW3051A6010C
Chromium	12	3	ug/g	1	BJS	12/7/10	3853	12/7/10	17:26	SW3051A6010C
Copper	18	3	ug/g	1	BJS	12/7/10	3853	12/7/10	17:26	SW3051A6010C
Lead	44	0.5	ug/g	1	BJS	12/7/10	3853	12/7/10	17:26	SW3051A6010C
Mercury	< 0.07	0.07	ug/g	1	BJS	12/3/10	3833	12/3/10	12:56	SW7471B
Selenium	< 3	3	ug/g	1	BJS	12/7/10	3853	12/7/10	17:26	SW3051A6010C
Silver	< 0.4	0.4	ug/g	1	BJS	12/7/10	3853	12/7/10	17:26	SW3051A6010C

Sample#: 20590-005

Sample ID: TP-1

Matrix: Solid Percent Dry: 87.3 %

Sampled: 12/2/10 15:14

Parameter	Result	Quant Limit	Units	Instr Dil'n		Prep		Analysis		
				Factor	Analyst	Date	Batch	Date	Time	Reference
Arsenic	6.7	0.5	ug/g	1	BJS	12/7/10	3853	12/7/10	17:35	SW3051A6010C
Barium	48	3	ug/g	1	BJS	12/7/10	3853	12/7/10	17:35	SW3051A6010C
Cadmium	< 0.2	0.2	ug/g	1	BJS	12/7/10	3853	12/7/10	17:35	SW3051A6010C
Chromium	12	3	ug/g	1	BJS	12/7/10	3853	12/7/10	17:35	SW3051A6010C
Lead	48	0.5	ug/g	1	BJS	12/7/10	3853	12/7/10	17:35	SW3051A6010C
Mercury	< 0.07	0.07	ug/g	1	BJS	12/3/10	3833	12/3/10	12:58	SW7471B
Selenium	< 3	3	ug/g	1	BJS	12/7/10	3853	12/7/10	17:35	SW3051A6010C
Silver	< 0.4	0.4	ug/g	1	BJS	12/7/10	3853	12/7/10	17:35	SW3051A6010C

**Project ID:** Ernies Auto Sales 10001087

**Job ID:** 20590

**Sample#:** 20590-006

**Sample ID:** DUP-SS

**Matrix:** Solid      Percent Dry: 85.6 %

**Sampled:** 12/2/10 15:03

Parameter	Result	Quant Limit	Instr Units	Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
Arsenic	8.8	0.5	ug/g	1	BJS	12/7/10	3853	12/7/10	17:44	SW3051A6010C
Barium	69	3	ug/g	1	BJS	12/7/10	3853	12/7/10	17:44	SW3051A6010C
Cadmium	< 0.2	0.2	ug/g	1	BJS	12/7/10	3853	12/7/10	17:44	SW3051A6010C
Chromium	20	3	ug/g	1	BJS	12/7/10	3853	12/7/10	17:44	SW3051A6010C
Lead	58	0.5	ug/g	1	BJS	12/7/10	3853	12/7/10	17:44	SW3051A6010C
Mercury	0.13	0.07	ug/g	1	BJS	12/3/10	3833	12/3/10	13:00	SW7471B
Selenium	< 3	3	ug/g	1	BJS	12/7/10	3853	12/7/10	17:44	SW3051A6010C
Silver	< 0.4	0.4	ug/g	1	BJS	12/7/10	3853	12/7/10	17:44	SW3051A6010C

### ANALYSIS REQUEST

Company Name: Credene Associates  
 Project Name: Ernie's Auto Sales  
 Company Address: 776 Main St, Westbrook, ME  
 Project #: 10001087  
 Report To: Silas Cameron  
 Project Location: MA ME VT  
 Phone #: 802-989-2337  
 Protocol: RCRA SDWA NPDES  
 Reporting: GW-1 S-1  
 Limits: EPA DW Other  
 Quote #: Brown  
 NH GREEN/ODD  
 Fund Pricing  
 PO # \_\_\_\_\_

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix			Preservation Method						Sampling	
			WATER	SOLID	OTHER	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	MeOH	OTHER (Specify)	DATE	TIME
<del>20590-01</del>	<del>SS-1</del>	<del>2</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>12/2/10</del>	<del>14:58</del>	<del>X</del>
01	SS-3	2	X	X	X	X	X	X	X	X	12/2/10	14:59	X
02	SS-7	2	X	X	X	X	X	X	X	X	12/2/10	15:03	X
03	SS-5	1	X	X	X	X	X	X	X	X	12/2/10	15:09	X
04	SS-6	1	X	X	X	X	X	X	X	X	12/2/10	15:11	X
05	TP-1	2	X	X	X	X	X	X	X	X	12/2/10	15:14	X
06	DVP-SS	2	X	X	X	X	X	X	X	X	12/2/10	15:03	X
07	TP-1 Blank	1	X	X	X	X	X	X	X	X	12/2/10	-	X

<input type="checkbox"/> VOC 8260	<input checked="" type="checkbox"/> VOC 8260 NHDES	<input type="checkbox"/> VOC 8260 MADEP	<input type="checkbox"/> VOC 624	<input type="checkbox"/> VOC BTEX	<input type="checkbox"/> MiBE, only	<input type="checkbox"/> VOC 8021VT	<input type="checkbox"/> VPH MADEP	<input type="checkbox"/> MEGRO	<input type="checkbox"/> GRO 8015	<input type="checkbox"/> VOC 524.2	<input type="checkbox"/> VOC 524.2 NH List	<input type="checkbox"/> TPH	<input type="checkbox"/> DR0 8015	<input type="checkbox"/> MEDRO	<input type="checkbox"/> EPH MADEP	<input type="checkbox"/> TPH Fingerprint	<input type="checkbox"/> 8270PAH	<input type="checkbox"/> 8270ABN	<input type="checkbox"/> 625	<input type="checkbox"/> EDB 504.1	<input type="checkbox"/> 8082 PCB	<input type="checkbox"/> 8081 Pesticides	<input type="checkbox"/> 608 Pest/PCB	<input type="checkbox"/> O&G 1664	<input type="checkbox"/> Mineral O&G SM5520F	<input type="checkbox"/> pH	<input type="checkbox"/> BOD	<input type="checkbox"/> Conductivity	<input type="checkbox"/> Turbidity	<input type="checkbox"/> TSS	<input type="checkbox"/> TDS	<input type="checkbox"/> TS	<input type="checkbox"/> TVS	<input type="checkbox"/> Alkalinity	<input checked="" type="checkbox"/> RCRA Metals	<input type="checkbox"/> Priority Pollutant Metals	<input type="checkbox"/> TAL Metals	<input checked="" type="checkbox"/> Total Metals-list: <u>Copper</u>	<input type="checkbox"/> Dissolved Metals-list:	<input type="checkbox"/> Ammonia	<input type="checkbox"/> COD	<input type="checkbox"/> TKN	<input type="checkbox"/> TN	<input type="checkbox"/> TON	<input type="checkbox"/> T-Phosphorus	<input type="checkbox"/> Phenols	<input type="checkbox"/> Bacteria P/A	<input type="checkbox"/> Bacteria MPN	<input type="checkbox"/> Cyanide	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Nitrate + Nitrite	<input type="checkbox"/> Ortho P	<input type="checkbox"/> Nitrate	<input type="checkbox"/> Nitrite	<input type="checkbox"/> Chloride	<input type="checkbox"/> Sulfate	<input type="checkbox"/> Bromide	<input type="checkbox"/> Fluoride	<input type="checkbox"/> Corrosivity	<input type="checkbox"/> Reactive CN	<input type="checkbox"/> Reactive S-	<input type="checkbox"/> Ignitibility/FP	<input type="checkbox"/> TCLP Metals	<input type="checkbox"/> TCLP VOC	<input type="checkbox"/> TCLP SVOC	<input type="checkbox"/> TCLP Pesticide	Subcontract: <input type="checkbox"/> TOC	<input type="checkbox"/> Grain Size	<input type="checkbox"/> TCLP Herbicides	<input checked="" type="checkbox"/> SVOC 8270	<input type="checkbox"/> Grab (G)	<input type="checkbox"/> or Composite (C)
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**TAT REQUESTED**  
 Priority (24 hr)\*\*   
 Expedited (48 hr)\*\*   
 Standard (10 Business Days)   
 \*\*Date Needed 12/10

\* See www.reslabs.com for sample acceptance policy and current accreditation lists.

REPORTING INSTRUCTIONS  
 PDF (e-mail address) Scamaman@credene-lbc.com  
 HARD COPY REQUIRED  FAX (FAX#) \_\_\_\_\_  OTHER (specify) \_\_\_\_\_

RECEIVED ON ICE  YES  NO  
 TEMPERATURE 5 °C

**CUSTODY RECORD**

Relinquished by: [Signature] Date: 12/2/10 Time: 5:02 Received by: [Signature] Date: 12/2/10 Time: 1701

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

# Laboratory Report

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## Resource Laboratories, LLC

124 Heritage Avenue #10 Portsmouth, NH 03801

Silas Canavan  
CREDERE Associates  
776 Main Street  
Westbrook, ME 04092

PO Number: None  
Job ID: 20639  
Date Received: 12/8/10

Project: Ernie's Auto 10001087

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,  
Resource Laboratories, LLC



Sue Sylvester  
Principal, General Manager

Date of Approval: 12/20/2010

Total number of pages: 36

### Resource Laboratories, LLC Certifications

New Hampshire 1732  
Maine NH903

Massachusetts M-NH902

**RL** Resource Laboratories, LLC

Voice: 603-436-2001 Fax: 603-430-2100

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

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-001

Sample ID: SS-2

Matrix: Solid Percent Dry: 90.8 %

Sampled: 12/6/10 10:20

Parameter	Result	Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
2-butanone (MEK)	< 0.2	0.2	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
chloroform	<b>0.1</b>	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B



Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-001

Sample ID: SS-2

Matrix: Solid Percent Dry: 90.8 %

Sampled: 12/6/10 10:20

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>92</b>	78-114	%	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
toluene-D8 SUR	<b>97</b>	88-110	%	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
4-bromofluorobenzene SUR	<b>101</b>	86-115	%	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B
a,a,a-trifluorotoluene SUR	<b>95</b>	70-130	%	1	LMM	12/10/10	3842	12/10/10	18:55	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-002

Sample ID: SS-7

Matrix: Solid Percent Dry: 91.8 %

Sampled: 12/6/10 10:25

Parameter	Result	Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
2-butanone (MEK)	< 0.2	0.2	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-002

Sample ID: SS-7

Matrix: Solid Percent Dry: 91.8 %

Sampled: 12/6/10 10:25

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>99</b>	78-114	%	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
toluene-D8 SUR	<b>98</b>	88-110	%	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
4-bromofluorobenzene SUR	<b>98</b>	86-115	%	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B
a,a,a-trifluorotoluene SUR	<b>98</b>	70-130	%	1	LMM	12/10/10	3842	12/15/10	18:19	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-003

Sample ID: SB-1

Matrix: Solid Percent Dry: 91.2 %

Sampled: 12/6/10 11:40

Parameter	Result	Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
2-butanone (MEK)	< 0.2	0.2	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.3	0.3	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-003

Sample ID: SB-1

Matrix: Solid Percent Dry: 91.2 %

Sampled: 12/6/10 11:40

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
n-propylbenzene	<b>0.2</b>	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,3,5-trimethylbenzene	<b>0.2</b>	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,2,4-trimethylbenzene	<b>0.8</b>	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
sec-butylbenzene	<b>0.3</b>	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
4-isopropyltoluene	<b>0.2</b>	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>87</b>	78-114	%	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
toluene-D8 SUR	<b>100</b>	88-110	%	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
4-bromofluorobenzene SUR	<b>107</b>	86-115	%	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B
a,a,a-trifluorotoluene SUR	<b>93</b>	70-130	%	1	LMM	12/10/10	3842	12/16/10	15:01	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-004

Sample ID: SB-2

Matrix: Solid Percent Dry: 76.6 %

Sampled: 12/6/10 10:23

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
acetone	< 3	3	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
t-butanol (TBA)	< 3	3	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
tetrahydrofuran (THF)	< 0.6	0.6	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,4-dioxane	< 3	3	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.5	0.5	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
2-hexanone	< 0.6	0.6	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-004

Sample ID: SB-2

Matrix: Solid Percent Dry: 76.6 %

Sampled: 12/6/10 10:23

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>93</b>	78-114	%	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
toluene-D8 SUR	<b>101</b>	88-110	%	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
4-bromofluorobenzene SUR	<b>98</b>	86-115	%	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B
a,a,a-trifluorotoluene SUR	<b>96</b>	70-130	%	1	LMM	12/10/10	3842	12/15/10	18:53	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-005

Sample ID: SB-3

Matrix: Solid Percent Dry: 88.3 %

Sampled: 12/6/10 12:13

Parameter	Result	Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
2-butanone (MEK)	< 0.2	0.2	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.3	0.3	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B



Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-005

Sample ID: SB-3

Matrix: Solid Percent Dry: 88.3 %

Sampled: 12/6/10 12:13

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>101</b>	78-114	%	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
toluene-D8 SUR	<b>100</b>	88-110	%	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
4-bromofluorobenzene SUR	<b>97</b>	86-115	%	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B
a,a,a-trifluorotoluene SUR	<b>90</b>	70-130	%	1	LMM	12/10/10	3842	12/15/10	21:08	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-007

Sample ID: SB-5 (8-10)

Matrix: Solid Percent Dry: 70.9 %

Sampled: 12/6/10 12:53

Parameter	Result	Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
acetone	< 3	3	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
t-butanol (TBA)	< 3	3	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
2-butanone (MEK)	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
tetrahydrofuran (THF)	< 0.6	0.6	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,4-dioxane	< 3	3	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.6	0.6	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
2-hexanone	< 0.6	0.6	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-007

Sample ID: SB-5 (8-10)

Matrix: Solid Percent Dry: 70.9 %

Sampled: 12/6/10 12:53

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
naphthalene	<b>4.0</b>	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>100</b>	78-114	%	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
toluene-D8 SUR	<b>100</b>	88-110	%	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
4-bromofluorobenzene SUR	<b>93</b>	86-115	%	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B
a,a,a-trifluorotoluene SUR	<b>76</b>	70-130	%	1	LMM	12/10/10	3842	12/15/10	19:27	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-008

Sample ID: SB-6

Matrix: Solid Percent Dry: 86.1 %

Sampled: 12/6/10 13:11

Parameter	Result	Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
2-butanone (MEK)	< 0.2	0.2	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.3	0.3	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-008

Sample ID: SB-6

Matrix: Solid Percent Dry: 86.1 %

Sampled: 12/6/10 13:11

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>97</b>	78-114	%	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
toluene-D8 SUR	<b>100</b>	88-110	%	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
4-bromofluorobenzene SUR	<b>95</b>	86-115	%	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B
a,a,a-trifluorotoluene SUR	<b>73</b>	70-130	%	1	LMM	12/10/10	3842	12/15/10	20:00	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-009

Sample ID: SB-7

Matrix: Solid Percent Dry: 71.3 %

Sampled: 12/6/10 10:30

Parameter	Result	Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
acetone	< 3	3	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
t-butanol (TBA)	< 3	3	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
2-butanone (MEK)	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
tetrahydrofuran (THF)	< 0.7	0.7	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
1,4-dioxane	< 3	3	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.6	0.6	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
2-hexanone	< 0.7	0.7	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-009

Sample ID: SB-7

Matrix: Solid Percent Dry: 71.3 %

Sampled: 12/6/10 10:30

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis			Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
styrene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
bromoform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
n-propylbenzene	<b>0.4</b>	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
1,2,4-trimethylbenzene	<b>0.2</b>	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
sec-butylbenzene	<b>0.7</b>	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
4-isopropyltoluene	<b>0.2</b>	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
naphthalene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
<b>Surrogate Recovery</b>		<b>Limits</b>									
dibromofluoromethane SUR	<b>90</b>	78-114	%	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
toluene-D8 SUR	<b>103</b>	88-110	%	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
4-bromofluorobenzene SUR	<b>107</b>	86-115	%	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	
a,a,a-trifluorotoluene SUR	<b>79</b>	70-130	%	1	LMM	12/10/10	3842	12/16/10	14:31	SW5035A8260B	

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-010

Sample ID: Trip Blank

Matrix: Solid Results expressed on a weight as received basis

Sampled: 12/6/10

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
tetrahydrofuran (THF)	< 0.5	0.5	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.4	0.4	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
2-hexanone	< 0.5	0.5	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B



Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-010

Sample ID: Trip Blank

Matrix: Solid Results expressed on a weight as received basis

Sampled: 12/6/10

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>92</b>	78-114	%	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
toluene-D8 SUR	<b>96</b>	88-110	%	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
4-bromofluorobenzene SUR	<b>101</b>	86-115	%	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B
a,a,a-trifluorotoluene SUR	<b>89</b>	70-130	%	1	LMM	12/10/10	3842	12/10/10	15:18	SW5035A8260B

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-001

Sample ID: SS-2

Matrix: Solid Percent Dry: 90.8 %

Sampled: 12/6/10 10:20

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
2-methylnaphthalene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
acenaphthylene	<b>0.7</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
acenaphthene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
dibenzofuran	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
fluorene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
phenanthrene	<b>2.6</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
anthracene	<b>0.7</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
fluoranthene	<b>5.6</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
pyrene	<b>5.9</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
benzo(a)anthracene	<b>2.9</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
chrysene	<b>2.9</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
benzo(b)fluoranthene	<b>2.8</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
benzo(k)fluoranthene	<b>2.3</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
benzo(a)pyrene	<b>2.5</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
indeno(1,2,3-cd)pyrene	<b>0.6</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
benzo(g,h,i)perylene	<b>0.6</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>68</b>	43-116	%	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D
o-terphenyl SUR	<b>79</b>	33-141	%	1	AJD	12/9/10	3854	12/10/10	4:20	SW3550B8270D

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-002

Sample ID: SS-7

Matrix: Solid Percent Dry: 91.8 %

Sampled: 12/6/10 10:25

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
2-methylnaphthalene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
acenaphthylene	<b>0.7</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
acenaphthene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
dibenzofuran	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
fluorene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
phenanthrene	<b>2.7</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
anthracene	<b>0.7</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
fluoranthene	<b>4.1</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
pyrene	<b>4.0</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
benzo(a)anthracene	<b>1.8</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
chrysene	<b>2.3</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
benzo(b)fluoranthene	<b>1.2</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
benzo(k)fluoranthene	<b>1.7</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
benzo(a)pyrene	<b>1.5</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
indeno(1,2,3-cd)pyrene	<b>0.6</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
benzo(g,h,i)perylene	<b>0.6</b>	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>68</b>	43-116	%	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D
o-terphenyl SUR	<b>81</b>	33-141	%	1	AJD	12/9/10	3854	12/10/10	3:43	SW3550B8270D

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-003

Sample ID: SB-1

Matrix: Solid Percent Dry: 91.2 %

Sampled: 12/6/10 11:40

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
2-methylnaphthalene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
acenaphthylene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
acenaphthene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
dibenzofuran	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
fluorene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
phenanthrene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
anthracene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
fluoranthene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
pyrene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
benzo(a)anthracene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
chrysene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
benzo(a)pyrene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>73</b>	43-116	%	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D
o-terphenyl SUR	<b>85</b>	33-141	%	1	AJD	12/9/10	3854	12/10/10	1:51	SW3550B8270D

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-004

Sample ID: SB-2

Matrix: Solid Percent Dry: 76.6 %

Sampled: 12/6/10 10:23

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
2-methylnaphthalene	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
acenaphthylene	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
acenaphthene	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
dibenzofuran	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
fluorene	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
phenanthrene	<b>0.7</b>	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
anthracene	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
fluoranthene	<b>1.1</b>	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
pyrene	<b>1.3</b>	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
benzo(a)anthracene	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
chrysene	<b>0.7</b>	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
benzo(b)fluoranthene	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
benzo(k)fluoranthene	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
benzo(a)pyrene	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
dibenzo(a,h)anthracene	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
benzo(g,h,i)perylene	< 0.6	0.6	ug/g	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>89</b>	43-116	%	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D
o-terphenyl SUR	<b>100</b>	33-141	%	1	AJD	12/9/10	3854	12/10/10	2:29	SW3550B8270D

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-005

Sample ID: SB-3

Matrix: Solid Percent Dry: 88.3 %

Sampled: 12/6/10 12:13

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
2-methylnaphthalene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
acenaphthylene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
acenaphthene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
dibenzofuran	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
fluorene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
phenanthrene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
anthracene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
fluoranthene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
pyrene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
benzo(a)anthracene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
chrysene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
benzo(a)pyrene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/g	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>70</b>	43-116	%	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D
o-terphenyl SUR	<b>83</b>	33-141	%	1	AJD	12/9/10	3854	12/10/10	1:14	SW3550B8270D

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-006

Sample ID: SB-5 (4-6)

Matrix: Solid Percent Dry: 83.2 %

Sampled: 12/6/10 12:53

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	< 2.9	2.9	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
2-methylnaphthalene	< 2.9	2.9	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
acenaphthylene	< 2.9	2.9	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
acenaphthene	< 2.9	2.9	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
dibenzofuran	< 2.9	2.9	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
fluorene	< 2.9	2.9	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
phenanthrene	< 2.9	2.9	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
anthracene	< 2.9	2.9	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
fluoranthene	< 2.9	2.9	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
pyrene	< 2.9	2.9	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
benzo(a)anthracene	<b>0.6</b>	0.6	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
chrysene	< 2.9	2.9	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
benzo(b)fluoranthene	<b>1.2</b>	0.6	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
benzo(k)fluoranthene	< 2.9	2.9	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
benzo(a)pyrene	<b>1.1</b>	0.6	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.6	0.6	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
dibenzo(a,h)anthracene	< 2.9	2.9	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
benzo(g,h,i)perylene	<b>0.7</b>	0.6	ug/g	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>68</b>	43-116	%	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D
o-terphenyl SUR	<b>76</b>	33-141	%	5	AJD	12/9/10	3854	12/10/10	21:49	SW3550B8270D

Note: Dilution was required due to matrix interference, causing internal standard suppression.

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-009

Sample ID: SB-7

Matrix: Solid Percent Dry: 71.3 %

Sampled: 12/6/10 10:30

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	< 0.7	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
2-methylnaphthalene	< 0.7	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
acenaphthylene	< 0.7	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
acenaphthene	< 0.7	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
dibenzofuran	< 0.7	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
fluorene	< 0.7	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
phenanthrene	<b>1.0</b>	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
anthracene	< 0.7	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
fluoranthene	<b>1.5</b>	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
pyrene	<b>1.8</b>	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
benzo(a)anthracene	<b>0.7</b>	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
chrysene	<b>1.0</b>	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
benzo(b)fluoranthene	< 0.7	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
benzo(k)fluoranthene	< 0.7	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
benzo(a)pyrene	< 0.7	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.7	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
dibenzo(a,h)anthracene	< 0.7	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
benzo(g,h,i)perylene	< 0.7	0.7	ug/g	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>60</b>	43-116	%	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D
o-terphenyl SUR	<b>69</b>	33-141	%	1	AJD	12/9/10	3854	12/10/10	3:06	SW3550B8270D



Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-001

Sample ID: SS-2

Matrix: Solid Percent Dry: 90.8 %

Sampled: 12/6/10 10:20

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis			Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	18:22	SW3540C8082A	
PCB-1221	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	18:22	SW3540C8082A	
PCB-1232	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	18:22	SW3540C8082A	
PCB-1242	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	18:22	SW3540C8082A	
PCB-1248	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	18:22	SW3540C8082A	
PCB-1254	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	18:22	SW3540C8082A	
PCB-1260	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	18:22	SW3540C8082A	
<b>Surrogate Recovery</b>		<b>Limits</b>									
tetrachloro-m-xylene SUR	<b>129</b>	30-150	%	5	JLZ	12/9/10	3857	12/14/10	18:22	SW3540C8082A	
decachlorobiphenyl SUR	<b>118</b>	30-150	%	5	JLZ	12/9/10	3857	12/14/10	18:22	SW3540C8082A	

Sample#: 20639-002

Sample ID: SS-7

Matrix: Solid Percent Dry: 91.8 %

Sampled: 12/6/10 10:25

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis			Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:02	SW3540C8082A	
PCB-1221	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:02	SW3540C8082A	
PCB-1232	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:02	SW3540C8082A	
PCB-1242	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:02	SW3540C8082A	
PCB-1248	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:02	SW3540C8082A	
PCB-1254	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:02	SW3540C8082A	
PCB-1260	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:02	SW3540C8082A	
<b>Surrogate Recovery</b>		<b>Limits</b>									
tetrachloro-m-xylene SUR	<b>134</b>	30-150	%	5	JLZ	12/9/10	3857	12/14/10	0:02	SW3540C8082A	
decachlorobiphenyl SUR	<b>108</b>	30-150	%	5	JLZ	12/9/10	3857	12/14/10	0:02	SW3540C8082A	

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-003

Sample ID: SB-1

Matrix: Solid Percent Dry: 91.2 %

Sampled: 12/6/10 11:40

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis			Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	19:23	SW3540C8082A	
PCB-1221	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	19:23	SW3540C8082A	
PCB-1232	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	19:23	SW3540C8082A	
PCB-1242	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	19:23	SW3540C8082A	
PCB-1248	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	19:23	SW3540C8082A	
PCB-1254	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	19:23	SW3540C8082A	
PCB-1260	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	19:23	SW3540C8082A	
<b>Surrogate Recovery</b>		<b>Limits</b>									
tetrachloro-m-xylene SUR	<b>146</b>	30-150	%	5	JLZ	12/9/10	3857	12/14/10	19:23	SW3540C8082A	
decachlorobiphenyl SUR	<b>136</b>	30-150	%	5	JLZ	12/9/10	3857	12/14/10	19:23	SW3540C8082A	

Sample#: 20639-004

Sample ID: SB-2

Matrix: Solid Percent Dry: 76.6 %

Sampled: 12/6/10 10:23

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis			Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/13/10	21:28	SW3540C8082A	
PCB-1221	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/13/10	21:28	SW3540C8082A	
PCB-1232	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/13/10	21:28	SW3540C8082A	
PCB-1242	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/13/10	21:28	SW3540C8082A	
PCB-1248	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/13/10	21:28	SW3540C8082A	
PCB-1254	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/13/10	21:28	SW3540C8082A	
PCB-1260	<b>0.6</b>	0.2	ug/g	5	JLZ	12/9/10	3857	12/13/10	21:28	SW3540C8082A	
<b>Surrogate Recovery</b>		<b>Limits</b>									
tetrachloro-m-xylene SUR	<b>149</b>	30-150	%	5	JLZ	12/9/10	3857	12/13/10	21:28	SW3540C8082A	
decachlorobiphenyl SUR	<b>155 *</b>	30-150	%	5	JLZ	12/9/10	3857	12/13/10	21:28	SW3540C8082A	

\* The surrogate showed recovery outside the acceptance limits. Matrix interference suspected.

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-005

Sample ID: SB-3

Matrix: Solid Percent Dry: 88.3 %

Sampled: 12/6/10 12:13

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis			Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	17:51	SW3540C8082A	
PCB-1221	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	17:51	SW3540C8082A	
PCB-1232	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	17:51	SW3540C8082A	
PCB-1242	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	17:51	SW3540C8082A	
PCB-1248	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	17:51	SW3540C8082A	
PCB-1254	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	17:51	SW3540C8082A	
PCB-1260	<b>0.2</b>	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	17:51	SW3540C8082A	
<b>Surrogate Recovery</b>		<b>Limits</b>									
tetrachloro-m-xylene SUR	<b>154 *</b>	30-150	%	5	JLZ	12/9/10	3857	12/14/10	17:51	SW3540C8082A	
decachlorobiphenyl SUR	<b>155 *</b>	30-150	%	5	JLZ	12/9/10	3857	12/14/10	17:51	SW3540C8082A	

\* The surrogate showed recovery outside the acceptance limits. Matrix interference suspected.

Sample#: 20639-006

Sample ID: SB-5 (4-6)

Matrix: Solid Percent Dry: 83.2 %

Sampled: 12/6/10 12:53

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis			Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:33	SW3540C8082A	
PCB-1221	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:33	SW3540C8082A	
PCB-1232	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:33	SW3540C8082A	
PCB-1242	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:33	SW3540C8082A	
PCB-1248	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:33	SW3540C8082A	
PCB-1254	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:33	SW3540C8082A	
PCB-1260	< 0.2	0.2	ug/g	5	JLZ	12/9/10	3857	12/14/10	0:33	SW3540C8082A	
<b>Surrogate Recovery</b>		<b>Limits</b>									
tetrachloro-m-xylene SUR	<b>109</b>	30-150	%	5	JLZ	12/9/10	3857	12/14/10	0:33	SW3540C8082A	
decachlorobiphenyl SUR	<b>90</b>	30-150	%	5	JLZ	12/9/10	3857	12/14/10	0:33	SW3540C8082A	

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-009

Sample ID: SB-7

Matrix: Solid      Percent Dry: 71.3 %

Sampled: 12/6/10 10:30

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis			Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	< 0.2	0.2	ug/g	5	JLZ	12/10/10	3857	12/14/10	18:52	SW3540C8082A	
PCB-1221	< 0.2	0.2	ug/g	5	JLZ	12/10/10	3857	12/14/10	18:52	SW3540C8082A	
PCB-1232	< 0.2	0.2	ug/g	5	JLZ	12/10/10	3857	12/14/10	18:52	SW3540C8082A	
PCB-1242	< 0.2	0.2	ug/g	5	JLZ	12/10/10	3857	12/14/10	18:52	SW3540C8082A	
PCB-1248	< 0.2	0.2	ug/g	5	JLZ	12/10/10	3857	12/14/10	18:52	SW3540C8082A	
PCB-1254	< 0.2	0.2	ug/g	5	JLZ	12/10/10	3857	12/14/10	18:52	SW3540C8082A	
PCB-1260	<b>0.3</b>	0.2	ug/g	5	JLZ	12/10/10	3857	12/14/10	18:52	SW3540C8082A	
<b>Surrogate Recovery</b>		<b>Limits</b>									
tetrachloro-m-xylene SUR	<b>136</b>	30-150	%	5	JLZ	12/10/10	3857	12/14/10	18:52	SW3540C8082A	
decachlorobiphenyl SUR	<b>128</b>	30-150	%	5	JLZ	12/10/10	3857	12/14/10	18:52	SW3540C8082A	

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-001

Sample ID: SS-2

Matrix: Solid Percent Dry: 90.8 %

Sampled: 12/6/10 10:20

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
TPH C10-C36	730	210	ug/g	1	JLZ	12/9/10	3858	12/14/10	16:29	SW3550B8100m
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	72	40-140	%	1	JLZ	12/9/10	3858	12/14/10	16:29	SW3550B8100m
o-terphenyl SUR	75	40-140	%	1	JLZ	12/9/10	3858	12/14/10	16:29	SW3550B8100m

Sample#: 20639-002

Sample ID: SS-7

Matrix: Solid Percent Dry: 91.8 %

Sampled: 12/6/10 10:25

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
TPH C10-C36	< 210	210	ug/g	1	JLZ	12/9/10	3858	12/14/10	15:10	SW3550B8100m
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	71	40-140	%	1	JLZ	12/9/10	3858	12/14/10	15:10	SW3550B8100m
o-terphenyl SUR	83	40-140	%	1	JLZ	12/9/10	3858	12/14/10	15:10	SW3550B8100m

Sample#: 20639-003

Sample ID: SB-1

Matrix: Solid Percent Dry: 91.2 %

Sampled: 12/6/10 11:40

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
TPH C10-C36	< 220	220	ug/g	1	JLZ	12/9/10	3858	12/14/10	12:37	SW3550B8100m
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	70	40-140	%	1	JLZ	12/9/10	3858	12/14/10	12:37	SW3550B8100m
o-terphenyl SUR	84	40-140	%	1	JLZ	12/9/10	3858	12/14/10	12:37	SW3550B8100m

Sample#: 20639-004

Sample ID: SB-2

Matrix: Solid Percent Dry: 76.6 %

Sampled: 12/6/10 10:23

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
TPH C10-C36	< 240	240	ug/g	1	JLZ	12/15/10	3872	12/15/10	15:14	SW3550B8100m
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	58	40-140	%	1	JLZ	12/15/10	3872	12/15/10	15:14	SW3550B8100m
o-terphenyl SUR	65	40-140	%	1	JLZ	12/15/10	3872	12/15/10	15:14	SW3550B8100m

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-005

Sample ID: SB-3

Matrix: Solid Percent Dry: 88.3 %

Sampled: 12/6/10 12:13

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
TPH C10-C36	< 220	220	ug/g	1	JLZ	12/9/10	3858	12/14/10	12:21	SW3550B8100m
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>68</b>	40-140	%	1	JLZ	12/9/10	3858	12/14/10	12:21	SW3550B8100m
o-terphenyl SUR	<b>82</b>	40-140	%	1	JLZ	12/9/10	3858	12/14/10	12:21	SW3550B8100m

Sample#: 20639-007

Sample ID: SB-5 (8-10)

Matrix: Solid Percent Dry: 70.9 %

Sampled: 12/6/10 12:53

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
TPH C10-C36	<b>6200</b>	1400	ug/g	5	JLZ	12/9/10	3858	12/14/10	16:06	SW3550B8100m
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>93</b>	40-140	%	5	JLZ	12/9/10	3858	12/14/10	16:06	SW3550B8100m
o-terphenyl SUR	<b>136</b>	40-140	%	5	JLZ	12/9/10	3858	12/14/10	16:06	SW3550B8100m

Sample#: 20639-008

Sample ID: SB-6

Matrix: Solid Percent Dry: 86.1 %

Sampled: 12/6/10 13:11

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
TPH C10-C36	< 220	220	ug/g	1	JLZ	12/9/10	3858	12/14/10	15:30	SW3550B8100m
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>72</b>	40-140	%	1	JLZ	12/9/10	3858	12/14/10	15:30	SW3550B8100m
o-terphenyl SUR	<b>82</b>	40-140	%	1	JLZ	12/9/10	3858	12/14/10	15:30	SW3550B8100m

Sample#: 20639-009

Sample ID: SB-7

Matrix: Solid Percent Dry: 71.3 %

Sampled: 12/6/10 10:30

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
TPH C10-C36	< 270	270	ug/g	1	JLZ	12/9/10	3858	12/14/10	14:53	SW3550B8100m
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>63</b>	40-140	%	1	JLZ	12/9/10	3858	12/14/10	14:53	SW3550B8100m
o-terphenyl SUR	<b>74</b>	40-140	%	1	JLZ	12/9/10	3858	12/14/10	14:53	SW3550B8100m

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-001

Sample ID: SS-2

Matrix: Solid Percent Dry: 90.8 %

Sampled: 12/6/10 10:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
Arsenic	6.8	0.5	ug/g	1	BJS	12/15/10	3874	12/15/10	15:38	SW3051A6010C
Barium	43	3	ug/g	1	BJS	12/15/10	3874	12/15/10	15:38	SW3051A6010C
Cadmium	< 0.2	0.2	ug/g	1	BJS	12/15/10	3874	12/15/10	15:38	SW3051A6010C
Chromium	13	3	ug/g	1	BJS	12/15/10	3874	12/15/10	15:38	SW3051A6010C
Lead	30	0.5	ug/g	1	BJS	12/15/10	3874	12/15/10	15:38	SW3051A6010C
Mercury	0.07	0.07	ug/g	1	BJS	12/15/10	3875	12/15/10	14:31	SW7471B
Selenium	< 3	3	ug/g	1	BJS	12/15/10	3874	12/15/10	15:38	SW3051A6010C
Silver	< 0.4	0.4	ug/g	1	BJS	12/15/10	3874	12/15/10	15:38	SW3051A6010C

Sample#: 20639-002

Sample ID: SS-7

Matrix: Solid Percent Dry: 91.8 %

Sampled: 12/6/10 10:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
Arsenic	7.8	0.5	ug/g	1	BJS	12/15/10	3874	12/15/10	15:44	SW3051A6010C
Barium	49	3	ug/g	1	BJS	12/15/10	3874	12/15/10	15:44	SW3051A6010C
Cadmium	< 0.2	0.2	ug/g	1	BJS	12/15/10	3874	12/15/10	15:44	SW3051A6010C
Chromium	16	3	ug/g	1	BJS	12/15/10	3874	12/15/10	15:44	SW3051A6010C
Lead	53	0.5	ug/g	1	BJS	12/15/10	3874	12/15/10	15:44	SW3051A6010C
Mercury	0.14 M	0.07	ug/g	1	BJS	12/15/10	3875	12/15/10	14:33	SW7471B

M = The percent recovery for the matrix spike was 59. The acceptance criteria is 75-125%. All other batch QC was within acceptance. Matrix interference suspected.

Selenium	< 3	3	ug/g	1	BJS	12/15/10	3874	12/15/10	15:44	SW3051A6010C
Silver	< 0.4	0.4	ug/g	1	BJS	12/15/10	3874	12/15/10	15:44	SW3051A6010C

Sample#: 20639-003

Sample ID: SB-1

Matrix: Solid Percent Dry: 91.2 %

Sampled: 12/6/10 11:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Prep		Analysis			Reference
					Analyst	Date	Batch	Date	Time	
Arsenic	11	0.5	ug/g	1	BJS	12/15/10	3874	12/15/10	15:51	SW3051A6010C
Barium	36	3	ug/g	1	BJS	12/15/10	3874	12/15/10	15:51	SW3051A6010C
Cadmium	< 0.2	0.2	ug/g	1	BJS	12/15/10	3874	12/15/10	15:51	SW3051A6010C
Chromium	15	3	ug/g	1	BJS	12/15/10	3874	12/15/10	15:51	SW3051A6010C
Lead	8.2	0.5	ug/g	1	BJS	12/15/10	3874	12/15/10	15:51	SW3051A6010C
Mercury	< 0.07	0.07	ug/g	1	BJS	12/15/10	3875	12/15/10	14:36	SW7471B
Selenium	< 3	3	ug/g	1	BJS	12/15/10	3874	12/15/10	15:51	SW3051A6010C
Silver	< 0.4	0.4	ug/g	1	BJS	12/15/10	3874	12/15/10	15:51	SW3051A6010C

Project ID: Ernie's Auto 10001087

Job ID: 20639

Sample#: 20639-004

Sample ID: SB-2

Matrix: Solid Percent Dry: 76.6 %

Sampled: 12/6/10 10:23

Parameter	Result	Quant Limit	Units	Instr Dil'n		Prep		Analysis			Reference
				Factor	Analyst	Date	Batch	Date	Time		
Arsenic	3.1	0.6	ug/g	1	BJS	12/15/10	3874	12/15/10	15:57	SW3051A6010C	
Barium	36	3	ug/g	1	BJS	12/15/10	3874	12/15/10	15:57	SW3051A6010C	
Cadmium	0.3	0.3	ug/g	1	BJS	12/15/10	3874	12/15/10	15:57	SW3051A6010C	
Chromium	54	3	ug/g	1	BJS	12/15/10	3874	12/15/10	15:57	SW3051A6010C	
Lead	30	0.6	ug/g	1	BJS	12/15/10	3874	12/15/10	15:57	SW3051A6010C	
Mercury	0.17	0.09	ug/g	1	BJS	12/15/10	3875	12/15/10	14:38	SW7471B	
Selenium	< 3	3	ug/g	1	BJS	12/15/10	3874	12/15/10	15:57	SW3051A6010C	
Silver	0.6	0.4	ug/g	1	BJS	12/15/10	3874	12/15/10	15:57	SW3051A6010C	

Sample#: 20639-005

Sample ID: SB-3

Matrix: Solid Percent Dry: 88.3 %

Sampled: 12/6/10 12:13

Parameter	Result	Quant Limit	Units	Instr Dil'n		Prep		Analysis			Reference
				Factor	Analyst	Date	Batch	Date	Time		
Arsenic	10	0.5	ug/g	1	BJS	12/15/10	3874	12/15/10	16:04	SW3051A6010C	
Barium	63	2	ug/g	1	BJS	12/15/10	3874	12/15/10	16:04	SW3051A6010C	
Cadmium	< 0.2	0.2	ug/g	1	BJS	12/15/10	3874	12/15/10	16:04	SW3051A6010C	
Chromium	21	2	ug/g	1	BJS	12/15/10	3874	12/15/10	16:04	SW3051A6010C	
Lead	11	0.5	ug/g	1	BJS	12/15/10	3874	12/15/10	16:04	SW3051A6010C	
Mercury	< 0.07	0.07	ug/g	1	BJS	12/15/10	3875	12/15/10	14:40	SW7471B	
Selenium	< 2	2	ug/g	1	BJS	12/15/10	3874	12/15/10	16:04	SW3051A6010C	
Silver	< 0.3	0.3	ug/g	1	BJS	12/15/10	3874	12/15/10	16:04	SW3051A6010C	

Sample#: 20639-006

Sample ID: SB-5 (4-6)

Matrix: Solid Percent Dry: 83.2 %

Sampled: 12/6/10 12:53

Parameter	Result	Quant Limit	Units	Instr Dil'n		Prep		Analysis			Reference
				Factor	Analyst	Date	Batch	Date	Time		
Arsenic	14	0.6	ug/g	1	BJS	12/15/10	3874	12/15/10	16:17	SW3051A6010C	
Barium	310	3	ug/g	1	BJS	12/15/10	3874	12/15/10	16:17	SW3051A6010C	
Cadmium	0.8	0.2	ug/g	1	BJS	12/15/10	3874	12/15/10	16:17	SW3051A6010C	
Chromium	23	3	ug/g	1	BJS	12/15/10	3874	12/15/10	16:17	SW3051A6010C	
Lead	750	0.6	ug/g	1	BJS	12/15/10	3874	12/15/10	16:17	SW3051A6010C	
Mercury	0.26	0.08	ug/g	1	BJS	12/15/10	3875	12/15/10	14:42	SW7471B	
Selenium	< 3	3	ug/g	1	BJS	12/15/10	3874	12/15/10	16:17	SW3051A6010C	
Silver	< 0.4	0.4	ug/g	1	BJS	12/15/10	3874	12/15/10	16:17	SW3051A6010C	

Sample#: 20639-008

Sample ID: SB-6

Matrix: Solid Percent Dry: 86.1 %

Sampled: 12/6/10 13:11

Parameter	Result	Quant Limit	Units	Instr Dil'n		Prep		Analysis			Reference
				Factor	Analyst	Date	Batch	Date	Time		
Lead	14	0.5	ug/g	1	BJS	12/15/10	3874	12/15/10	16:26	SW3051A6010C	



**Project ID:** Ernie's Auto 10001087

**Job ID:** 20639

**Sample#:** 20639-009

**Sample ID:** SB-7

**Matrix:** Solid      **Percent Dry:** 71.3 %

**Sampled:** 12/6/10 10:30

<b>Parameter</b>	<b>Result</b>	<b>Quant Limit</b>	<b>Units</b>	<b>Instr Dil'n Factor</b>	<b>Prep</b>		<b>Analysis</b>			<b>Reference</b>
					<b>Analyst</b>	<b>Date</b>	<b>Batch</b>	<b>Date</b>	<b>Time</b>	
Arsenic	<b>7.4</b>	0.7	ug/g	1	BJS	12/15/10	3874	12/15/10	16:32	SW3051A6010C
Barium	<b>43</b>	3	ug/g	1	BJS	12/15/10	3874	12/15/10	16:32	SW3051A6010C
Cadmium	<b>0.3</b>	0.3	ug/g	1	BJS	12/15/10	3874	12/15/10	16:32	SW3051A6010C
Chromium	<b>42</b>	3	ug/g	1	BJS	12/15/10	3874	12/15/10	16:32	SW3051A6010C
Lead	<b>44</b>	0.7	ug/g	1	BJS	12/15/10	3874	12/15/10	16:32	SW3051A6010C
Mercury	< 0.08	0.08	ug/g	1	BJS	12/15/10	3875	12/15/10	14:43	SW7471B
Selenium	< 3	3	ug/g	1	BJS	12/15/10	3874	12/15/10	16:32	SW3051A6010C
Silver	< 0.5	0.5	ug/g	1	BJS	12/15/10	3874	12/15/10	16:32	SW3051A6010C

### 20639

Company Name: Credent Associates  
 Company Address: 776 Main St, Westbrook, ME 04092  
 Report To: Silas Canavan  
 Phone #: 802-989-2337  
 Invoice To: Same

Project Name: Emies Auto  
 Project #: 10001087  
 Project Location: NH MA ME VT  
 Protocol: RCRA SDWA NPDES MCP NHDES OTHER  
 Reporting: QAPP GW-1 S-1  
 Limits: EPA DW Other  
 Quote #: 3000 fields  NH GREEN/ODD  Fund Pricing  
 PO # \_\_\_\_\_

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix			Preservation Method						Sampling			
			WATER	SOLID	OTHER	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	MeOH	OTHER (Specify)	DATE	TIME	SAMPLER*	
20639-01	SS-2	2		X									12/6/10	10:20	SC
02	SS-7	2												10:25	
03	SB-1	2												11:40	
04	SB-2	2												10:23	
05	SB-3	2												12:13	
06	SB-5 (11-6)	1												12:53	
07	SB-5 (8-10)	2												12:53	
08	SB-6	2												13:11	
09	SB-7	2												10:30	
10	TRAP BAWIL	1													

<input type="checkbox"/> VOC 8260	<input checked="" type="checkbox"/> VOC 8260 NHDES	<input type="checkbox"/> VOC 8260 MADEP
<input type="checkbox"/> VOC 624	<input type="checkbox"/> VOC BTEX	<input type="checkbox"/> MIBE, only
<input type="checkbox"/> VOC 8021VT	<input type="checkbox"/> VPH MADEP	<input type="checkbox"/> MEGRO
<input type="checkbox"/> GRO 8015	<input type="checkbox"/> VOC 524.2	<input type="checkbox"/> VOC 524.2 NH List
<input type="checkbox"/> TPH	<input type="checkbox"/> DR0 8015	<input type="checkbox"/> MEDRO
<input type="checkbox"/> EPH MADEP	<input type="checkbox"/> TPH Fingerprint	<input type="checkbox"/> 8270PAH
<input type="checkbox"/> 8270ABN	<input type="checkbox"/> 625	<input type="checkbox"/> EDB 504.1
<input checked="" type="checkbox"/> 8082 PCB	<input type="checkbox"/> 8081 Pesticides	<input type="checkbox"/> 608 Pest/PCB
<input type="checkbox"/> O&G 1664	<input type="checkbox"/> Mineral O&G SM5520F	<input type="checkbox"/> pH
<input type="checkbox"/> 80D	<input type="checkbox"/> Conductivity	<input type="checkbox"/> Turbidity
<input type="checkbox"/> TSS	<input type="checkbox"/> TDS	<input type="checkbox"/> TS
<input type="checkbox"/> TVS	<input type="checkbox"/> Alkalinity	<input checked="" type="checkbox"/> RCRA Metals
<input type="checkbox"/> Priority Pollutant Metals	<input type="checkbox"/> TAL Metals	<input checked="" type="checkbox"/> Total Metals-list: <u>Lead</u>
<input type="checkbox"/> Dissolved Metals-list:	<input type="checkbox"/> Ammonia	<input type="checkbox"/> COD
<input type="checkbox"/> TKN	<input type="checkbox"/> TN	<input type="checkbox"/> TON
<input type="checkbox"/> T-Phosphorus	<input type="checkbox"/> Phenols	<input type="checkbox"/> Bacteria P/A
<input type="checkbox"/> Bacteria MPN	<input type="checkbox"/> Cyanide	<input type="checkbox"/> Sulfide
<input type="checkbox"/> Nitrate + Nitrite	<input type="checkbox"/> Ortho P	<input type="checkbox"/> Nitrate
<input type="checkbox"/> Nitrite	<input type="checkbox"/> Chloride	<input type="checkbox"/> Sulfate
<input type="checkbox"/> Bromide	<input type="checkbox"/> Fluoride	<input type="checkbox"/> Corrosivity
<input type="checkbox"/> Reactive CN	<input type="checkbox"/> Reactive S-	<input type="checkbox"/> Ignitibility/FP
<input type="checkbox"/> TCLP Metals	<input type="checkbox"/> TCLP VOC	<input type="checkbox"/> TCLP SVOC
<input type="checkbox"/> TCLP Pesticide	<input type="checkbox"/> Subcontract: <input type="checkbox"/> TOC	<input type="checkbox"/> Grain Size
<input type="checkbox"/> TCLP Herbicides		
<input checked="" type="checkbox"/> Grab (G) or Composite (C)		

SPECIAL INSTRUCTIONS: Please provide 5-day turn-around w/ results by 12/16/10

REPORTING INSTRUCTIONS:  PDF (e-mail address) scavanaugh@credentllc.com  
 HARD COPY REQUIRED  FAX (FAX#) \_\_\_\_\_  OTHER (specify) \_\_\_\_\_  
 RECEIVED ON ICE  YES  NO  
 TEMPERATURE 0 °C

TAT REQUESTED:  Priority (24 hr)\*\*  Expedited (48 hr)\*\*  Standard (10 Business Days)  
 \*\*Date Needed: \_\_\_\_\_  
 CUSTODY RECORD: Relinquished by: [Signature] Date: 12/5/10 Time: 4:37  
 Relinquished by: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by Laboratory: [Signature] Date: 12/10/10 Time: \_\_\_\_\_  
 Received by: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_

# Laboratory Report

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## Resource Laboratories, LLC

124 Heritage Avenue #10 Portsmouth, NH 03801

Silas Canavan  
CREDERE Associates  
776 Main Street  
Westbrook, ME 04092

PO Number: None  
Job ID: 20640  
Date Received: 12/8/10

Project: Ernies Auto 10001087

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,  
Resource Laboratories, LLC



Sue Sylvester  
Principal, General Manager

Date of Approval: 12/20/2010

Total number of pages: 25

### Resource Laboratories, LLC Certifications

New Hampshire 1732  
Maine NH903

Massachusetts M-NH902

**RL** Resource Laboratories, LLC

Voice: 603-436-2001 Fax: 603-430-2100

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

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-005

Sample ID: MW-1

Matrix: Water

Sampled: 12/8/10 9:55

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis			Reference
		Limit	Units	Factor	Analyst		Batch	Date	Time	
dichlorodifluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
chloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
vinyl chloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
bromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
chloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
trichlorofluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
diethyl ether	< 5	5	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
acetone	< 50	50	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,1-dichloroethene	< 1	1	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
methylene chloride	< 5	5	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
carbon disulfide	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,1-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
t-butanol (TBA)	< 30	30	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
2-butanone (MEK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
2,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
chloroform	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
bromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,1-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
carbon tetrachloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,2-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
benzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
trichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,4-dioxane	< 50	50	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
dibromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
toluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
2-hexanone	< 10	10	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,3-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
tetrachloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
dibromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-005

Sample ID: MW-1

Matrix: Water

Sampled: 12/8/10 9:55

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis			Reference
		Limit	Units	Factor	Analyst		Batch	Date	Time	
chlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
ethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
m&p-xylenes	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
o-xylene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
styrene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
bromoform	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
isopropylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
n-propylbenzene	4	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
bromobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,3,5-trimethylbenzene	4	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
2-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
4-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
tert-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,2,4-trimethylbenzene	14	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
sec-butylbenzene	2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
4-isopropyltoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
n-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,3,5-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
naphthalene	< 5	5	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	90	78-114	%	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
toluene-D8 SUR	101	88-110	%	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	
4-bromofluorobenzene SUR	92	86-115	%	1	LMM	1002866	12/10/10	19:26	SW5030B8260B	

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-006

Sample ID: MW-2

Matrix: Water

Sampled: 12/8/10 14:03

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis		Reference
		Limit	Units	Factor	Analyst		Batch	Date	
dichlorodifluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
diethyl ether	< 5	5	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
t-butanol (TBA)	< 30	30	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-006

Sample ID: MW-2

Matrix: Water

Sampled: 12/8/10 14:03

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis			Reference
		Limit	Units	Factor	Analyst		Batch	Date	Time	
chlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
ethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
m&p-xylenes	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
o-xylene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
styrene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
bromoform	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
isopropylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
n-propylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
bromobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
2-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
4-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
tert-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
sec-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
4-isopropyltoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
n-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
1,3,5-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
naphthalene	< 5	5	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>97</b>	78-114	%	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
toluene-D8 SUR	<b>102</b>	88-110	%	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	
4-bromofluorobenzene SUR	<b>96</b>	86-115	%	1	LMM	1002866	12/10/10	17:22	SW5030B8260B	

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-007

Sample ID: MW-3

Matrix: Water

Sampled: 12/8/10 10:53

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis			Reference
		Limit	Units	Factor	Analyst		Batch	Date	Time	
dichlorodifluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
chloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
vinyl chloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
bromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
chloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
trichlorofluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
diethyl ether	< 5	5	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
acetone	< 50	50	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,1-dichloroethene	< 1	1	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
methylene chloride	< 5	5	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
carbon disulfide	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,1-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
t-butanol (TBA)	< 30	30	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
2-butanone (MEK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
2,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
chloroform	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
bromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,1-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
carbon tetrachloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,2-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
benzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
trichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,4-dioxane	< 50	50	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
dibromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
toluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
2-hexanone	< 10	10	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,3-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
tetrachloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
dibromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	



Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-007

Sample ID: MW-3

Matrix: Water

Sampled: 12/8/10 10:53

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis			Reference
		Limit	Units	Factor	Analyst		Batch	Date	Time	
chlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
ethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
m&p-xylenes	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
o-xylene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
styrene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
bromoform	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
isopropylbenzene	3	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
n-propylbenzene	12	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
bromobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
2-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
4-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
tert-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,2,4-trimethylbenzene	22	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
sec-butylbenzene	3	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
4-isopropyltoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
n-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,3,5-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
naphthalene	< 5	5	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	96	78-114	%	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
toluene-D8 SUR	104	88-110	%	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	
4-bromofluorobenzene SUR	104	86-115	%	1	LMM	1002866	12/10/10	20:59	SW5030B8260B	

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-008

Sample ID: MW-5

Matrix: Water

Sampled: 12/8/10 11:35

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis			Reference
		Limit	Units	Factor	Analyst		Batch	Date	Time	
dichlorodifluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
chloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
vinyl chloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
bromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
chloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
trichlorofluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
diethyl ether	< 5	5	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
acetone	< 50	50	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,1-dichloroethene	< 1	1	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
methylene chloride	< 5	5	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
carbon disulfide	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,1-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
t-butanol (TBA)	< 30	30	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
2-butanone (MEK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
2,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
chloroform	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
bromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,1-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
carbon tetrachloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,2-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
benzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
trichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,4-dioxane	< 50	50	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
dibromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
toluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
2-hexanone	< 10	10	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,3-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
tetrachloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
dibromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-008

Sample ID: MW-5

Matrix: Water

Sampled: 12/8/10 11:35

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis			Reference
		Limit	Units	Factor	Analyst		Batch	Date	Time	
chlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
ethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
m&p-xylenes	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
o-xylene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
styrene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
bromoform	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
isopropylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
n-propylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
bromobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
2-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
4-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
tert-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
sec-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
4-isopropyltoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
n-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,3,5-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
naphthalene	< 5	5	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>100</b>	78-114	%	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
toluene-D8 SUR	<b>98</b>	88-110	%	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	
4-bromofluorobenzene SUR	<b>93</b>	86-115	%	1	LMM	1002866	12/10/10	17:53	SW5030B8260B	

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-009

Sample ID: MW-7

Matrix: Water

Sampled: 12/8/10 12:30

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis			Reference
		Limit	Units	Factor	Analyst		Batch	Date	Time	
dichlorodifluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
chloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
vinyl chloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
bromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
chloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
trichlorofluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
diethyl ether	< 5	5	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
acetone	< 50	50	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,1-dichloroethene	< 1	1	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
methylene chloride	< 5	5	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
carbon disulfide	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,1-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
t-butanol (TBA)	< 30	30	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
2-butanone (MEK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
2,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
chloroform	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
bromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,1-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
carbon tetrachloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,2-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
benzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
trichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,4-dioxane	< 50	50	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
dibromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
toluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
2-hexanone	< 10	10	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,3-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
tetrachloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
dibromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-009

Sample ID: MW-7

Matrix: Water

Sampled: 12/8/10 12:30

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis			Reference
		Limit	Units	Factor	Analyst		Batch	Date	Time	
chlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
ethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
m&p-xylenes	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
o-xylene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
styrene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
bromoform	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
isopropylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
n-propylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
bromobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
2-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
4-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
tert-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
sec-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
4-isopropyltoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
n-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,3,5-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
naphthalene	< 5	5	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>97</b>	78-114	%	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
toluene-D8 SUR	<b>101</b>	88-110	%	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	
4-bromofluorobenzene SUR	<b>94</b>	86-115	%	1	LMM	1002866	12/10/10	16:20	SW5030B8260B	

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-010

Sample ID: Trip Blank

Matrix: Water

Sampled: 12/8/10

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis			Reference
		Limit	Units	Factor	Analyst		Batch	Date	Time	
dichlorodifluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
chloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
vinyl chloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
bromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
chloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
trichlorofluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
diethyl ether	< 5	5	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
acetone	< 50	50	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,1-dichloroethene	< 1	1	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
methylene chloride	< 5	5	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
carbon disulfide	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,1-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
t-butanol (TBA)	< 30	30	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
2-butanone (MEK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
2,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
chloroform	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
bromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,1-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
carbon tetrachloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,2-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
benzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
trichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,4-dioxane	< 50	50	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
dibromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
toluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
2-hexanone	< 10	10	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,3-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
tetrachloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
dibromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-010

Sample ID: Trip Blank

Matrix: Water

Sampled: 12/8/10

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis			Reference
		Limit	Units	Factor	Analyst		Batch	Date	Time	
chlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
ethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
m&p-xylenes	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
o-xylene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
styrene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
bromoform	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
isopropylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
n-propylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
bromobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
2-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
4-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
tert-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
sec-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
4-isopropyltoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
n-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,3,5-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
naphthalene	< 5	5	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>93</b>	78-114	%	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
toluene-D8 SUR	<b>95</b>	88-110	%	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	
4-bromofluorobenzene SUR	<b>93</b>	86-115	%	1	LMM	1002866	12/10/10	14:16	SW5030B8260B	

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-011

Sample ID: DUP-GW

Matrix: Water

Sampled: 12/8/10 9:55

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis			Reference
		Limit	Units	Factor	Analyst		Batch	Date	Time	
dichlorodifluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
chloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
vinyl chloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
bromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
chloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
trichlorofluoromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
diethyl ether	< 5	5	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
acetone	< 50	50	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,1-dichloroethene	< 1	1	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
methylene chloride	< 5	5	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
carbon disulfide	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,1-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
t-butanol (TBA)	< 30	30	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
2-butanone (MEK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
2,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
chloroform	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
bromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,1-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
carbon tetrachloride	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,2-dichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
benzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
trichloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,2-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,4-dioxane	< 50	50	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
dibromomethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
toluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
2-hexanone	< 10	10	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,3-dichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
tetrachloroethene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
dibromochloromethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	



Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-011

Sample ID: DUP-GW

Matrix: Water

Sampled: 12/8/10 9:55

Parameter	Result	Quant		Instr Dil'n		Prep Date	Analysis			Reference
		Limit	Units	Factor	Analyst		Batch	Date	Time	
chlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
ethylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
m&p-xylenes	<b>2</b>	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
o-xylene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
styrene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
bromoform	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
isopropylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
n-propylbenzene	<b>3</b>	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
bromobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,3,5-trimethylbenzene	<b>4</b>	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
2-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
4-chlorotoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
tert-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,2,4-trimethylbenzene	<b>14</b>	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
sec-butylbenzene	<b>2</b>	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
4-isopropyltoluene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
n-butylbenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,3,5-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
naphthalene	< 5	5	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
<b>Surrogate Recovery</b>		<b>Limits</b>								
dibromofluoromethane SUR	<b>91</b>	78-114	%	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
toluene-D8 SUR	<b>100</b>	88-110	%	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	
4-bromofluorobenzene SUR	<b>96</b>	86-115	%	1	LMM	1002866	12/10/10	18:24	SW5030B8260B	

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-005

Sample ID: MW-1

Matrix: Water

Sampled: 12/8/10 9:55

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
naphthalene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
acenaphthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
dibenzofuran	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
fluorene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
phenanthrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
pyrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
benzo(a)anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
chrysene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
benzo(a)pyrene	< 0.2	0.2	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>43</b>	43-116	%	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D
o-terphenyl SUR	<b>50</b>	33-141	%	1	AJD	12/10/10	3859	12/10/10	17:26	SW3510C8270D

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-006

Sample ID: MW-2

Matrix: Water

Sampled: 12/8/10 14:03

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	1.1	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
acenaphthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
dibenzofuran	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
fluorene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
phenanthrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
pyrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
benzo(a)anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
chrysene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
benzo(a)pyrene	< 0.2	0.2	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	46	43-116	%	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D
o-terphenyl SUR	53	33-141	%	1	AJD	12/10/10	3859	12/10/10	18:04	SW3510C8270D

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-008

Sample ID: MW-5

Matrix: Water

Sampled: 12/8/10 11:35

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
acenaphthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
dibenzofuran	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
fluorene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
phenanthrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
pyrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
benzo(a)anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
chrysene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
benzo(a)pyrene	< 0.2	0.2	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>47</b>	43-116	%	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D
o-terphenyl SUR	<b>53</b>	33-141	%	1	AJD	12/10/10	3859	12/10/10	18:41	SW3510C8270D

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-009

Sample ID: MW-7

Matrix: Water

Sampled: 12/8/10 12:30

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
acenaphthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
dibenzofuran	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
fluorene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
phenanthrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
pyrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
benzo(a)anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
chrysene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
benzo(a)pyrene	< 0.2	0.2	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>43</b>	43-116	%	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D
o-terphenyl SUR	<b>50</b>	33-141	%	1	AJD	12/10/10	3859	12/10/10	19:19	SW3510C8270D

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-011

Sample ID: DUP-GW

Matrix: Water

Sampled: 12/8/10 9:55

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis		
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
naphthalene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
acenaphthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
dibenzofuran	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
fluorene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
phenanthrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
pyrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
benzo(a)anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
chrysene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
benzo(a)pyrene	< 0.2	0.2	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/L	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
<b>Surrogate Recovery</b>		<b>Limits</b>								
2-fluorobiphenyl SUR	<b>46</b>	43-116	%	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D
o-terphenyl SUR	<b>53</b>	33-141	%	1	AJD	12/10/10	3859	12/10/10	19:56	SW3510C8270D

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-001

Sample ID: BM-1

Matrix: Solid Results expressed on a weight as received basis

Sampled: 12/8/10 10:30

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis			Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/14/10	17:20	SW3540C8082A	
PCB-1221	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/14/10	17:20	SW3540C8082A	
PCB-1232	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/14/10	17:20	SW3540C8082A	
PCB-1242	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/14/10	17:20	SW3540C8082A	
PCB-1248	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/14/10	17:20	SW3540C8082A	
PCB-1254	<b>0.5</b>	0.2	ug/g	1	JLZ	12/10/10	3857	12/14/10	17:20	SW3540C8082A	
PCB-1260	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/14/10	17:20	SW3540C8082A	
<b>Surrogate Recovery</b>		<b>Limits</b>									
tetrachloro-m-xylene SUR	<b>96</b>	30-150	%	1	JLZ	12/10/10	3857	12/14/10	17:20	SW3540C8082A	
decachlorobiphenyl SUR	<b>76</b>	30-150	%	1	JLZ	12/10/10	3857	12/14/10	17:20	SW3540C8082A	

Sample#: 20640-002

Sample ID: BM-2

Matrix: Solid Results expressed on a weight as received basis

Sampled: 12/8/10 10:40

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis			Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	<b>2.2</b>	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:20	SW3540C8082A	
PCB-1221	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:20	SW3540C8082A	
PCB-1232	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:20	SW3540C8082A	
PCB-1242	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:20	SW3540C8082A	
PCB-1248	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:20	SW3540C8082A	
PCB-1254	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:20	SW3540C8082A	
PCB-1260	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:20	SW3540C8082A	
<b>Surrogate Recovery</b>		<b>Limits</b>									
tetrachloro-m-xylene SUR	<b>81</b>	30-150	%	1	JLZ	12/10/10	3857	12/13/10	15:20	SW3540C8082A	
decachlorobiphenyl SUR	<b>78</b>	30-150	%	1	JLZ	12/10/10	3857	12/13/10	15:20	SW3540C8082A	

Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-003

Sample ID: BM-3

Matrix: Solid Results expressed on a weight as received basis

Sampled: 12/8/10 10:50

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis			Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	< 0.1	0.1	ug/g	1	JLZ	12/10/10	3857	12/19/10	6:06	SW3540C8082A	
PCB-1221	< 0.1	0.1	ug/g	1	JLZ	12/10/10	3857	12/19/10	6:06	SW3540C8082A	
PCB-1232	< 0.1	0.1	ug/g	1	JLZ	12/10/10	3857	12/19/10	6:06	SW3540C8082A	
PCB-1242	< 0.1	0.1	ug/g	1	JLZ	12/10/10	3857	12/19/10	6:06	SW3540C8082A	
PCB-1248	< 0.1	0.1	ug/g	1	JLZ	12/10/10	3857	12/19/10	6:06	SW3540C8082A	
PCB-1254	<b>0.5</b>	0.1	ug/g	1	JLZ	12/10/10	3857	12/19/10	6:06	SW3540C8082A	
PCB-1260	< 0.1	0.1	ug/g	1	JLZ	12/10/10	3857	12/19/10	6:06	SW3540C8082A	
<b>Surrogate Recovery</b>		<b>Limits</b>									
tetrachloro-m-xylene SUR	<b>89</b>	30-150	%	1	JLZ	12/10/10	3857	12/19/10	6:06	SW3540C8082A	
decachlorobiphenyl SUR	<b>49</b>	30-150	%	1	JLZ	12/10/10	3857	12/19/10	6:06	SW3540C8082A	

Sample#: 20640-004

Sample ID: BM-4

Matrix: Solid Results expressed on a weight as received basis

Sampled: 12/8/10 10:55

Parameter	Result	Quant		Instr Dil'n		Prep		Analysis			Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:51	SW3540C8082A	
PCB-1221	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:51	SW3540C8082A	
PCB-1232	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:51	SW3540C8082A	
PCB-1242	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:51	SW3540C8082A	
PCB-1248	< 0.2	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:51	SW3540C8082A	
PCB-1254	<b>2.5</b>	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:51	SW3540C8082A	
PCB-1260	<b>2.4</b>	0.2	ug/g	1	JLZ	12/10/10	3857	12/13/10	15:51	SW3540C8082A	
<b>Surrogate Recovery</b>		<b>Limits</b>									
tetrachloro-m-xylene SUR	<b>73</b>	30-150	%	1	JLZ	12/10/10	3857	12/13/10	15:51	SW3540C8082A	
decachlorobiphenyl SUR	<b>69</b>	30-150	%	1	JLZ	12/10/10	3857	12/13/10	15:51	SW3540C8082A	



Project ID: Ernies Auto 10001087

Job ID: 20640

Sample#: 20640-005

Sample ID: MW-1

Matrix: Water

Sampled: 12/8/10 9:55

Parameter	Result	Quant	Instr Dil'n		Analyst	Prep	Analysis			Reference
		Limit	Units	Factor		Date	Batch	Date	Time	
Arsenic	< 0.008	0.008	mg/L	1	BJS		1002855	12/9/10	17:43	SW3005A6010C
Barium	< 0.05	0.05	mg/L	1	BJS		1002855	12/9/10	17:43	SW3005A6010C
Cadmium	< 0.004	0.004	mg/L	1	BJS		1002855	12/9/10	17:43	SW3005A6010C
Chromium	< 0.05	0.05	mg/L	1	BJS		1002855	12/9/10	17:43	SW3005A6010C
Lead	< 0.008	0.008	mg/L	1	BJS		1002855	12/9/10	17:43	SW3005A6010C
Mercury	< 0.0002	0.0002	mg/L	1	BJS	12/15/10	3876	12/15/10	15:10	SW7470A
Selenium	< 0.05	0.05	mg/L	1	BJS		1002855	12/9/10	17:43	SW3005A6010C
Silver	< 0.007	0.007	mg/L	1	BJS		1002855	12/9/10	17:43	SW3005A6010C

Sample#: 20640-006

Sample ID: MW-2

Matrix: Water

Sampled: 12/8/10 14:03

Parameter	Result	Quant	Instr Dil'n		Analyst	Prep	Analysis			Reference
		Limit	Units	Factor		Date	Batch	Date	Time	
Arsenic	<b>0.018</b>	0.008	mg/L	1	BJS		1002855	12/9/10	17:48	SW3005A6010C
Barium	<b>0.14</b>	0.05	mg/L	1	BJS		1002855	12/9/10	17:48	SW3005A6010C
Cadmium	< 0.004	0.004	mg/L	1	BJS		1002855	12/9/10	17:48	SW3005A6010C
Chromium	< 0.05	0.05	mg/L	1	BJS		1002855	12/9/10	17:48	SW3005A6010C
Lead	< 0.008	0.008	mg/L	1	BJS		1002855	12/9/10	17:48	SW3005A6010C
Mercury	< 0.0002	0.0002	mg/L	1	BJS	12/15/10	3876	12/15/10	15:12	SW7470A
Selenium	< 0.05	0.05	mg/L	1	BJS		1002855	12/9/10	17:48	SW3005A6010C
Silver	< 0.007	0.007	mg/L	1	BJS		1002855	12/9/10	17:48	SW3005A6010C

Sample#: 20640-007

Sample ID: MW-3

Matrix: Water

Sampled: 12/8/10 10:53

Parameter	Result	Quant	Instr Dil'n		Analyst	Prep	Analysis			Reference
		Limit	Units	Factor		Date	Batch	Date	Time	
Lead	< 0.008	0.008	mg/L	1	BJS		1002855	12/9/10	17:55	SW3005A6010C

Sample#: 20640-008

Sample ID: MW-5

Matrix: Water

Sampled: 12/8/10 11:35

Parameter	Result	Quant	Instr Dil'n		Analyst	Prep	Analysis			Reference
		Limit	Units	Factor		Date	Batch	Date	Time	
Arsenic	<b>0.019</b>	0.008	mg/L	1	BJS		1002855	12/9/10	18:03	SW3005A6010C
Barium	<b>0.06</b>	0.05	mg/L	1	BJS		1002855	12/9/10	18:03	SW3005A6010C
Cadmium	< 0.004	0.004	mg/L	1	BJS		1002855	12/9/10	18:03	SW3005A6010C
Chromium	< 0.05	0.05	mg/L	1	BJS		1002855	12/9/10	18:03	SW3005A6010C
Lead	< 0.008	0.008	mg/L	1	BJS		1002855	12/9/10	18:03	SW3005A6010C
Mercury	< 0.0002	0.0002	mg/L	1	BJS	12/15/10	3876	12/15/10	15:14	SW7470A
Selenium	< 0.05	0.05	mg/L	1	BJS		1002855	12/9/10	18:03	SW3005A6010C
Silver	< 0.007	0.007	mg/L	1	BJS		1002855	12/9/10	18:03	SW3005A6010C

**Project ID:** Ernies Auto 10001087

**Job ID:** 20640

**Sample#:** 20640-009

**Sample ID:** MW-7

**Matrix:** Water

**Sampled:** 12/8/10 12:30

Parameter	Result	Quant	Units	Instr Dil'n		Analyst	Prep	Analysis		
		Limit		Factor	Date		Batch	Date	Time	Reference
Arsenic	< 0.008	0.008	mg/L	1	BJS		1002855	12/9/10	18:11	SW3005A6010C
Barium	<b>0.17</b>	0.05	mg/L	1	BJS		1002855	12/9/10	18:11	SW3005A6010C
Cadmium	< 0.004	0.004	mg/L	1	BJS		1002855	12/9/10	18:11	SW3005A6010C
Chromium	< 0.05	0.05	mg/L	1	BJS		1002855	12/9/10	18:11	SW3005A6010C
Lead	< 0.008	0.008	mg/L	1	BJS		1002855	12/9/10	18:11	SW3005A6010C
Mercury	< 0.0002	0.0002	mg/L	1	BJS	12/15/10	3876	12/15/10	15:16	SW7470A
Selenium	< 0.05	0.05	mg/L	1	BJS		1002855	12/9/10	18:11	SW3005A6010C
Silver	< 0.007	0.007	mg/L	1	BJS		1002855	12/9/10	18:11	SW3005A6010C

**Sample#:** 20640-011

**Sample ID:** DUP-GW

**Matrix:** Water

**Sampled:** 12/8/10 9:55

Parameter	Result	Quant	Units	Instr Dil'n		Analyst	Prep	Analysis		
		Limit		Factor	Date		Batch	Date	Time	Reference
Arsenic	< 0.008	0.008	mg/L	1	BJS		1002855	12/9/10	18:17	SW3005A6010C
Barium	< 0.05	0.05	mg/L	1	BJS		1002855	12/9/10	18:17	SW3005A6010C
Cadmium	< 0.004	0.004	mg/L	1	BJS		1002855	12/9/10	18:17	SW3005A6010C
Chromium	< 0.05	0.05	mg/L	1	BJS		1002855	12/9/10	18:17	SW3005A6010C
Lead	< 0.008	0.008	mg/L	1	BJS		1002855	12/9/10	18:17	SW3005A6010C
Mercury	< 0.0002	0.0002	mg/L	1	BJS	12/15/10	3876	12/15/10	15:18	SW7470A
Selenium	< 0.05	0.05	mg/L	1	BJS		1002855	12/9/10	18:17	SW3005A6010C
Silver	< 0.007	0.007	mg/L	1	BJS		1002855	12/9/10	18:17	SW3005A6010C

Company Name: Credone Associates  
 Company Address: 776 Main St. Westbrook, ME 04092  
 Report To: Silva, Seanavan  
 Phone #: 802-989-2337  
 Invoice To: Same

Project Name: Finies Auto  
 Project #: 10001087  
 Project Location: NH MA ME VT  
 Protocol: RCRA SDWA NHDES NPDES MCP AHDDES OTHER  
 Reporting Limits: GW-1 S-1  
 Quote # Raw Fields  Fund Pricing

Lab Sample ID	Field ID	# CONTAINERS	Matrix			Preservation Method						Sampling		
			WATER	SOLID	OTHER	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	MeOH	OTHER (Specify)	DATE	TIME	SAMPLER*
2064001	BW-1	1	X									12/8/10	10:30	300
	BW-2	1	X										12:40	50
	BW-3	1	X										10:55	50
	BW-4	1	X										9:55	50
	MW-1	4	X										14:03	50
	MW-2	4	X										10:53	50
	MW-3	3	X										11:35	50
	MW-5	4	X										12:30	08
	MW-7	4	X											
	TRIP BLANK	1	X											
	12000-GW	X										12/8	955	

<input type="checkbox"/> VOC 8260	<input checked="" type="checkbox"/> VOC 8260 NHDES	<input type="checkbox"/> VOC 8260 MADEP
<input type="checkbox"/> VOC 624	<input type="checkbox"/> VOC BTEX	<input type="checkbox"/> MIBE, only
<input type="checkbox"/> VPH MADEP	<input type="checkbox"/> MEGRO	<input type="checkbox"/> GRO 8015
<input type="checkbox"/> VOC 524.2	<input type="checkbox"/> VOC 524.2 NH List	
<input type="checkbox"/> TPH	<input type="checkbox"/> DR0 8015	<input type="checkbox"/> MEDRO
<input type="checkbox"/> EPH MADEP	<input type="checkbox"/> TPH Fingerprint	
<input checked="" type="checkbox"/> 8270PAH	<input type="checkbox"/> 8270AABN	<input type="checkbox"/> 625
<input checked="" type="checkbox"/> 8082 PCB	<input type="checkbox"/> 8081 Pesticides	<input type="checkbox"/> 608 Pest/PCB
<input type="checkbox"/> O&G 1664	<input type="checkbox"/> Mineral O&G SM5520F	
<input type="checkbox"/> pH	<input type="checkbox"/> BOD	<input type="checkbox"/> Conductivity
<input type="checkbox"/> TSS	<input type="checkbox"/> TDS	<input type="checkbox"/> TS
<input type="checkbox"/> TVS	<input type="checkbox"/> Alkalinity	
<input type="checkbox"/> RCRA Metals	<input type="checkbox"/> Priority Pollutant Metals	<input type="checkbox"/> TAL Metals
<input type="checkbox"/> Total Metals-list:		
<input checked="" type="checkbox"/> Dissolved Metals-list:	<u>RCRAS</u>	
<input type="checkbox"/> Ammonia	<input type="checkbox"/> COD	<input type="checkbox"/> TKN
<input type="checkbox"/> TN	<input type="checkbox"/> TON	
<input type="checkbox"/> T-Phosphorus	<input type="checkbox"/> Phenols	<input type="checkbox"/> Bacteria P/A
<input type="checkbox"/> Bacteria MPN		
<input type="checkbox"/> Cyanide	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Nitrate + Nitrite
<input type="checkbox"/> Ortho P		
<input type="checkbox"/> Nitrate	<input type="checkbox"/> Nitrite	<input type="checkbox"/> Chloride
<input type="checkbox"/> Sulfate	<input type="checkbox"/> Bromide	<input type="checkbox"/> Fluoride
<input type="checkbox"/> Corrosivity	<input type="checkbox"/> Reactive CN	<input type="checkbox"/> Reactive S-
<input type="checkbox"/> Ignitibility/FP		
<input type="checkbox"/> TCLP Metals	<input type="checkbox"/> TCLP VOC	<input type="checkbox"/> TCLP SVOC
<input type="checkbox"/> TCLP Pesticide		
Subcontract: <input type="checkbox"/> TOC	<input type="checkbox"/> Grain Size	<input type="checkbox"/> TCLP Herbicides
<u>Dissolved Lead</u>		
<input checked="" type="checkbox"/> Grab (G)	<input type="checkbox"/> Composite (C)	

VAT REQUESTED:  Priority (24 hr)\*\*  Expedited (48 hr)\*\*  Standard (10 Business Days)

REPORTING INSTRUCTIONS:  PDF (e-mail address) Seanavan@credonellc.com

SPECIAL INSTRUCTIONS: Please provide 5-day turn-around w/ results by 12/16/10

RECEIVED ON ICE  YES  NO

TEMPERATURE: 8 °C

CUSTODY RECORD

Relinquished by: [Signature] Date: 12/8/10 Time: 4:37

Relinquished by: [Signature] Date: 12/8/10 Time: 4:37

Relinquished by: [Signature] Date: 12/8/10 Time: 4:37

Received by: [Signature] Date: 12/8/10 Time: 4:37

**APPENDIX F**  
**LEAD-BASED PAINT SURVEY RESULTS**





# CREDERE ASSOCIATES, LLC

776 Main Street  
Westbrook, Maine 04092  
Phone: 207-828-1272  
Fax: 207-887-1051

December 10, 2010

Mr. Kimon Koulet, Executive Director  
Lakes Region Planning Commission  
103 Main Street, Suite #3  
Meredith, NH 03253

**Subject: Lead-Based Paint Survey  
Ernie's Auto Sales Property  
180 East Main Street, Tilton, NH**

Dear Mr. Koulet:

A survey for lead-based paint in the subject property building was conducted on December 8, 2010 using a portable Innov-X X-Ray fluorescent (XRF) device. Paint with a concentration of lead greater than  $1.0 \text{ mg/cm}^2$  was considered positive for lead-based paint. Sixty five (65) readings were taken during the survey. Lead-based paint was identified on 15 surfaces within the two buildings. **Figure 1** shows the orientation of the survey locations and the results of the survey are shown on **Table 1**.

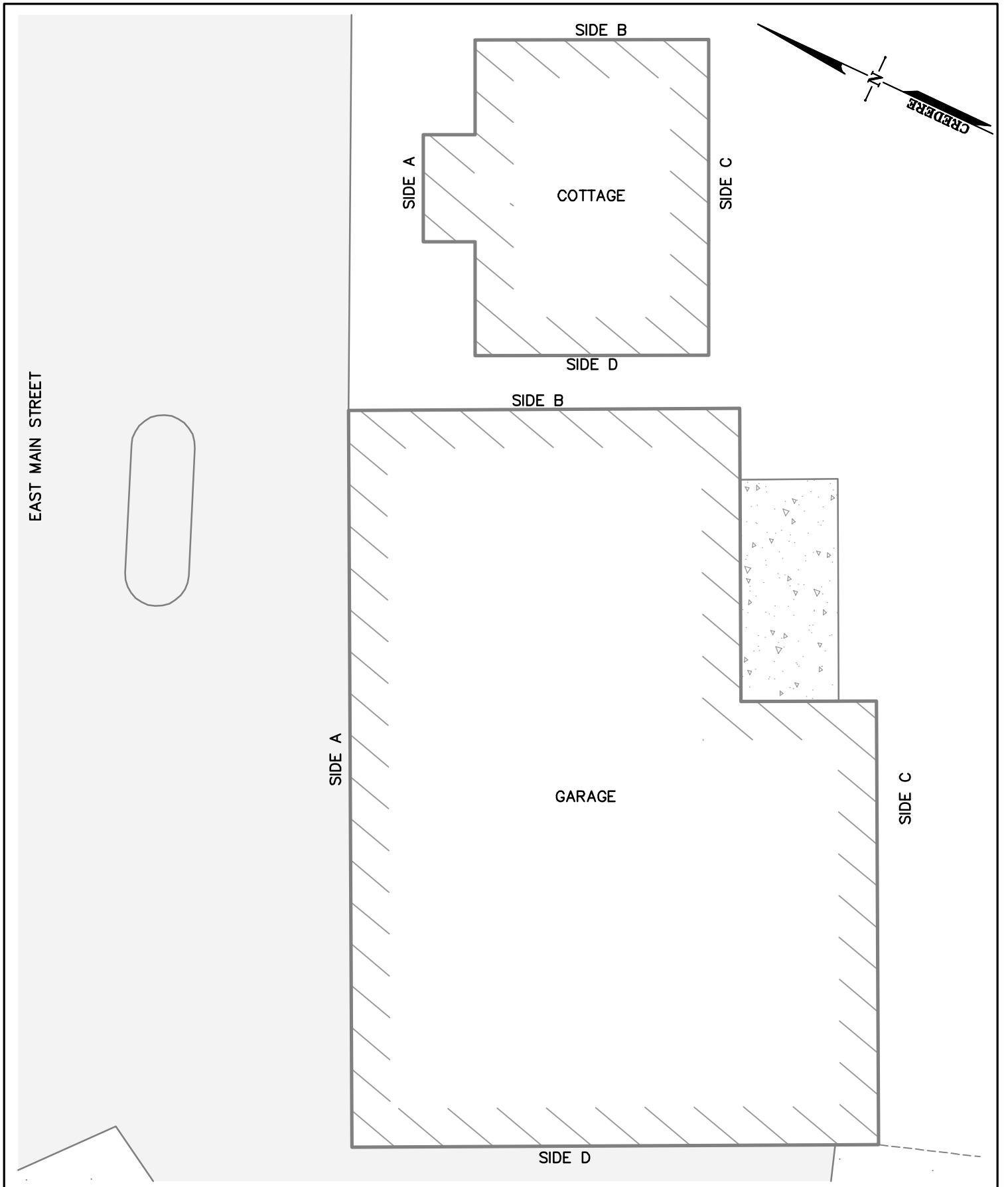
The lead-based paint survey was not intended to determine the suitability of the buildings for residential or child-occupied uses. If the property buildings are to be used in the future as residences or child-occupied facilities, a formal lead survey should be conducted by a NHDES Certified Lead Inspector.

Very truly,

CREDERE ASSOCIATES, LLC


Silas Canavan, EI  
Civil Engineer

enclosures: Figure 1 – Lead-Based Paint Survey Orientation Plan  
Table 1 – Summary of Lead-Based Paint Survey

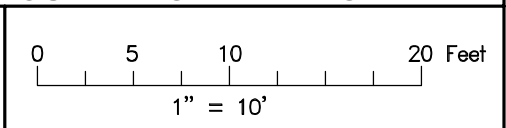


DRAWN BY: SWC DATE: 1/11/10  
 CHECKED BY: RSV/JSS PROJECT: 10001087

**FIGURE 1**  
**LEAD-BASED PAINT SURVEY ORIENTATION PLAN**

 Creder Associates, LLC  
 776 Main Street  
 Westbrook, Maine 04092  
 Tel. (207) 828-1272  
 www.crederellc.com

ERNIE'S AUTO  
 SALES PROPERTY  
 180 EAST MAIN STREET  
 TILTON, NH  
 NHDES #199311019



**TABLE 1**  
**ERNIE'S AUTO SALES PROPERTY**  
**180 EAST MAIN STREET - TILTON, NEW HAMPSHIRE**

**LEAD-BASED PAINT SURVEY RESULTS**

Reading No.	XRF Meter Mode	Pass Fail Standard	Lead Concentration (mg/cm <sup>2</sup> )	+/-	Building	Interior or Exterior	Building Side	Component	Color
1	Standardization	PASS							
2	Lead Paint Inspection	Negative	0.07	0.06	garage	exterior	side a	door	white
3	Lead Paint Inspection	Positive	1.6	0.2	garage	exterior	side a	door	white
4	Lead Paint Inspection	Positive	1.07	0.07	garage	exterior	side a	door	white
5	Lead Paint Inspection	Negative	0	0	garage	exterior	side a	window sill	white
6	Lead Paint Inspection	Negative	0	0	garage	exterior	side a	window frame	white
7	Lead Paint Inspection	Negative	0	0	garage	exterior	side a	window frame	white
8	Lead Paint Inspection	Negative	0.07	0.04	garage	exterior	side a	sign	--
9	Lead Paint Inspection	Negative	0.02	0.02	garage	exterior	side a	sign	--
10	Lead Paint Inspection	Negative	0	0	garage	exterior	side a	window frame	white
11	Lead Paint Inspection	Negative	0	0	garage	exterior	side a	window frame	white
12	Lead Paint Inspection	Negative	0.01	0.02	garage	exterior	side b	window frame	white
13	Lead Paint Inspection	Negative	0	0	garage	exterior	side d	rear door	white
14	Lead Paint Inspection	Negative	0.67	0.07	cottage	exterior	side a	siding center	white
15	Lead Paint Inspection	Positive	1.29	0.15	cottage	exterior	side a	siding right	white
16	Lead Paint Inspection	Positive	1.96	0.22	cottage	exterior	side a	siding right	white
17	Lead Paint Inspection	Negative	0.72	0.07	cottage	exterior	side a	trim right	blue
18	Lead Paint Inspection	Negative	0.05	0.02	cottage	exterior	side a	trim right	blue
19	Lead Paint Inspection	Negative	0	0	cottage	exterior	side a	trim center	blue
20	Lead Paint Inspection	Positive	3.29	0.51	cottage	exterior	side a	trim left	blue
21	Lead Paint Inspection	Positive	2.55	0.21	cottage	exterior	side a	trim left	blue
22	Lead Paint Inspection	Positive	1.59	0.23	cottage	exterior	side a	white siding	white
23	Lead Paint Inspection	Negative	0.68	0.13	cottage	exterior	side d	siding	white
24	Lead Paint Inspection	Positive	1.27	0.14	cottage	exterior	side d	siding	white
25	Standardization	PASS							
26	Lead Paint Inspection	Positive	1.02	0.09	cottage	exterior	side d	trim	blue
27	Lead Paint Inspection	Positive	2.17	0.29	cottage	exterior	side c	siding	white
28	Lead Paint Inspection	Negative	0.11	0.05	cottage	exterior	side c	trim	blue
29	Lead Paint Inspection	Negative	0.22	0.06	cottage	exterior	side b	siding	white
30	Lead Paint Inspection	Negative	0.81	0.07	cottage	exterior	side b	siding	white
31	Lead Paint Inspection	Negative	0.55	0.08	cottage	exterior	side b	siding	white
32	Lead Paint Inspection	Positive	2.27	0.3	cottage	exterior	side b	siding	white
33	Lead Paint Inspection	Negative	0.02	0.02	cottage	interior	--	trim	pale
34	Lead Paint Inspection	Negative	0.01	0	cottage	interior	--	trim	pale
35	Lead Paint Inspection	Negative	0.02	0.02	cottage	interior	--	trim and door	black
36	Lead Paint Inspection	Negative	0.02	0.02	cottage	interior	--	trim and door	black
37	Lead Paint Inspection	Negative	0.83	0.08	cottage	interior	--	trim and door	black
38	Lead Paint Inspection	Positive	1.5	0.24	cottage	interior	--	trim and door	black
39	Lead Paint Inspection	Negative	0.79	0.1	cottage	interior	--	trim and door	black
40	Lead Paint Inspection	Negative	0	0	cottage	interior	--	wall	pale
41	Lead Paint Inspection	Negative	0.01	0.02	cottage	interior	--	wall	pale
42	Lead Paint Inspection	Negative	0	0	cottage	interior	--	wall	pale
43	Lead Paint Inspection	Negative	0.01	0.01	cottage	interior	--	wall	pale
44	Lead Paint Inspection	Negative	0	0	cottage	interior	--	wall	white
45	Lead Paint Inspection	Negative	0	0	cottage	interior	--	wall	white
46	Lead Paint Inspection	Negative	0.01	0.01	cottage	interior	--	wall	white
47	Lead Paint Inspection	Positive	1	0.21	garage	exterior	--	old siding	white
48	Standardization	PASS							
49	Lead Paint Inspection	Negative	0.02	0.02	garage	exterior	--	old siding	blue
50	Lead Paint Inspection	Positive	1	0.03	garage	exterior	--	old siding	blue
51	Lead Paint Inspection	Negative	0	0	garage	interior	--	wall	white
52	Lead Paint Inspection	Negative	0	0	garage	interior	--	wall	white
53	Lead Paint Inspection	Negative	0.18	0.13	garage	interior	--	front door	--
54	Lead Paint Inspection	Positive	1.4	0.18	garage	interior	--	front door	--
55	Lead Paint Inspection	Negative	0	0	garage	interior	--	wall	pink
56	Lead Paint Inspection	Negative	0	0	garage	interior	--	wall	pink
57	Lead Paint Inspection	Negative	0	0	garage	interior	--	wall	pink
58	Lead Paint Inspection	Positive	1.73	0.25	garage	interior	--	garage wall	black
59	Lead Paint Inspection	Negative	0	0	garage	interior	--	garage wall	p-board
60	Lead Paint Inspection	Negative	0	0	garage	interior	--	garage wall	wood
61	Lead Paint Inspection	Negative	0.01	0	garage	interior	--	garage wall	wood
62	Lead Paint Inspection	Negative	0	0	garage	interior	--	garage wall	p-board
63	Lead Paint Inspection	Positive	3.15	0.41	garage	interior	--	garage wall	black
64	Lead Paint Inspection	Positive	3.6	0.7	garage	interior	side a	garage door	--
65	Lead Paint Inspection	Negative	0.1	0.1	garage	interior	side a	garage wall	white

**NOTES:**

XRF = X-Ray fluorescence

+/- = Probable variation

-- = Side not identified because surface is easily identifiable within building

Positive = Lead concentration > 1.0 mg/cm<sup>2</sup>

**APPENDIX G**  
**ASBESTOS SURVEY RESULTS**







## IAQ Assessment Report

---

Absolute Air Quality  
124 Heritage Ave #10 Portsmouth NH 03801

Silas Canavan  
Civil Engineer  
CREDERE Associates  
776 Main St.  
Westbrook, ME 04092

Project ID#: 20715  
Date of Assessment: December 20, 2010  
Type of Assessment: Asbestos Inspection

Project: 180 East Main St. Tilton, NH

Attached please find results for the assessment performed on the date referenced above.

Unless otherwise noted in the attached report, the assessment performed met the requirements of Absolute Air Quality's Standard Operating Procedures or industry guidelines and standards for the investigation of Asbestos Containing Materials, (ACM) within a building. The Standard Operating Procedures for sampling and investigations are based upon OSHA standards and adhere to all state regulations. The results in this report pertain only to the samples as indicated on the chain of custody.

Absolute Air Quality maintains certification and/or membership with the agencies listed within the report. We appreciate the opportunity to provide services to you. If you have any questions regarding the enclosed report, please contact us and we will be glad to assist you.

Sincerely,  
Absolute Air Quality

Geoffrey Sylvester-CMI, CIE, IH  
Board Certified Microbial Investigator  
Board Certified Indoor Environmentalist  
State Certified Asbestos Inspector  
State Certified Asbestos Project Monitor

12/29/10  
Date

### Absolute Air Quality Certifications and Memberships

American Industrial Hygiene  
Association



American Conference of Governmental  
Industrial Hygienists

Indoor Air Quality Association Inc

American Council for Accredited Certification

124 Heritage Avenue #10 Portsmouth NH 03801  
Office: 603-373-7373 Fax: 603-430-2100  
Toll Free: 877-320-7373



## Table of Contents

- I. Job and Contact Information
- II. Scope of Work
- III. Findings
- IV. Conclusions and Recommendations
- V. References
- VI. Limits of Liability
- VII. Attachments (as applicable):
  - A. Test Results
  - B. Chain of Custody



## I. Job and Contact Information

### II. Contact Information:

Contact: Silas Canavan  
Title: CREDERE Associates, LLC Civil Engineer  
Address: 776 Main Street  
Address: Westbrook, Maine 04092  
Phone: 802-989-2337

### III. Site Information:

Contact: Silas Canavan  
Title: CREDERE Associates, LLC Civil Engineer  
Address: 776 Main Street  
Address: Westbrook, Maine 04092  
Phone: 802-989-2337  
Project #: 20715

### IV. Remediation Firm:

**Air Quality Experts**  
Contact: Chris Thompson  
Address: 23 Hall Farm Rd.  
Address: Atkinson NH 03811-2176  
Phone: (603) 894-6465



## V. Scope of Work

The assessment was conducted at the request of Silas Canavan, representing CREDERE. The facilities being assessed are located at 180 East Main Street in Tilton, New Hampshire. The object of the assessment was to establish the presence of Asbestos containing material in or on the two buildings at the address stated. One of the buildings is an auto garage while the other is a small cottage adjacent to the garage.

### A. Scope of Work:

**The building assessment was conducted to establish the following:**

- Assess the potential for Asbestos Containing Materials (ACM) in the building.
- Physically inspect building materials, sample and analyze materials, specifically the flooring, roofing, siding, insulated wrap, window caulking & glaze, etc.
- Collect environmental samples and analyze via PLM microscopy to determine if the material has ACM.
- Throughout the process, consult other qualified professionals if necessary or desired,
- Outline follow-up recommendations in situations where ACM are found and remedial action has been conducted.
- Convey in writing findings to appropriate state authorities when required by law.

## VI. Findings

### A. Materials tested and found Positive for ACM

AREA / LOCATION	SAMPLE ID	RESULTS
Garage	Reception Floor Tile	5% Chrysotile
Garage	Reception Floor Tile Mastic	10% Chrysotile
Cottage	Orange Floor Tile	15% Chrysotile
Garage	Flat Roof Top Layer Shingle	2% Chrysotile
Garage	Flat Roof Top Layer Shingle Mastic	10% Chrysotile

### B. Materials tested and found Non Detect for ACM

AREA / LOCATION	SAMPLE ID	RESULTS
Garage	Concrete Floor	ND
Garage	Wallboard	ND
Boiler Room	Cinder Block Mortar	ND
Boiler Room	Brick Mortar	ND
Reception	Ceiling Tile	ND

Absolute



Air Quality



Cottage	Black Wall Tile	ND
Cottage	Black Wall Tile Mastic	ND
Cottage	Bathroom Top Tile Black/White	ND
Cottage	Bathroom Top Tile Black/White Mastic	ND
Cottage	Bathroom Bottom Tile Red	ND
Cottage	Bathroom Bottom Tile Red Mastic	ND
Cottage	Bathroom Ceiling Tile	ND
Cottage	Wire Insulation	ND
Garage	Flat Roof Bottom Layer Shingle	ND
Garage	Vertical Shingle Top Layer	ND
Garage	Vertical Shingle Top Layer Mastic	ND
Garage	Vertical Shingle Bottom	ND
Garage	Green Shingle Siding Side B	ND
Garage	Green Shingle Siding Paper Side B	ND
Garage	Grey/Red Shingle Siding Side C	ND
Garage	Grey/Red Shingle Siding Paper Side C	ND
Cottage	Roof Shingle Top	ND
Cottage	Roof Shingle Top Mastic	ND
Cottage	Roof Shingle Bottom	ND

## VII. Recommendations:

- a) All materials identified as ACM must be removed by a Licensed Asbestos Abatement Company.
- b) All materials identified as having NO ACM may be removed in any manner the company finds appropriate.

## VIII. References

- a) ACGIH; American Conference of Governing Industrial Hygienists
- b) AIHA; American Industrial Hygiene Association
- c) VERMONT; Department of Health.
- d) AIHA/ACGIH Journal of Occupational & Environmental Hygiene.
- e) OSHA; Technical Manual

## IX. Limits of Liability

The IAQ assessment does not cover concealed areas or items not inspected. The extent of the limited area also depends on the building construction and conditions, weather, building usage and other factors. Due to the nature of the investigation and the limited data available, Absolute Air Quality cannot warrant against undiscovered environmental liabilities.

*Absolute*



*Air Quality*



Any use which a third party makes of this report, or reliance on decisions made based upon it, is the responsibility of such third parties. Absolute Air Quality accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

The conclusions presented in this report represent the best technical judgment of Absolute Air Quality based on the data collected from the work. The conclusions are based on the site conditions encountered by Absolute Air Quality at the time the assessment was performed. The assessment does not cover concealed area or items not inspected. The assessment does not cover information that was concealed, or information that was not revealed during the assessment.

Airborne sample collection should be a part of the IAQ assessment when investigating the potential for unwarranted exposure. The number of air samples collected is recommended to at least yield a statistically defensible data point. Additionally, both Culturable and countable or cassettes sample collection should be part of the sampling protocol. Limiting the number and/or type of samples collected may limit the defensibility of the data and results of the overall assessment. The consultant cannot be responsible for associated liabilities due to cost restraints or customer requests.

## X. Attachments

- A. Test Results
- B. Chain of Custody

# ProScience Analytical Services, Inc.

## PLM Asbestos Chain of Custody Record

LABORATORY/HEADQUARTERS

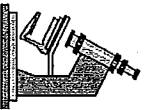
LABORATORY SERVICES

22 Cummings Park, Woburn, MA 01801

683 North Mountain Rd., Newington, CT 06111

T: 781-935-3212 F: 781-932-4857

T: 860-953-1022 F: 860-953-1030



RUSH

Turn Around Time Requested

Same day  24 Hour  48 Hour  72 Hour  5 Days

Page 1 of 10

70 Samples Analyzed

Client: ABSOLUTE ME QUALITY

Relinquished by/date: [Signature] 12/21/10

Address: 124 HERITAGE AVE #10 PORTSMOUTH, NH 03801

Received by/date: [Signature] 12/21/10

Project Site & Number: CREDELE - TILTON 20715

Samples received: 801

Analyzed: [Signature]

Phone / FAX Number: 603-373-7373

Faxed, E-mailed, Verbal by/date: \_\_\_\_\_

Contact: Geoff Sylvester

Stop on first positive: Yes/No X

For Lab Use > Batch Number

Analyzed by/date: [Signature] 12/29/10

OC by/date: [Signature] 12/29/10

Non Asbestos Percentage (%)

Lab ID	Field ID Sampled date	Description / Location	% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Asbestos Percentage (%)						Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous	
															Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite								Circle Type
320914	#1	CONCRETE FLOOR GARAGE	0	gn	gn	gn	gn									100												100
	#2	CONCRETE FLOOR GARAGE	0	gn	gn	gn	gn									100												100
	#3	CONCRETE FLOOR GARAGE	0	gn	gn	gn	gn									100												100
	#4	GARAGE WALL BOARD	0	gn	gn	gn	gn									100												100
	#5	GARAGE WALL BOARD	0	gn	gn	gn	gn									100												100
	#6	GARAGE WALL BOARD	0	gn	gn	gn	gn									100												100

Comments: Birefringence L= less than .010, M=.011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663

Laboratory uses the EPA or ELAP point count method as appropriate

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Revised on 4/7/09

# ProScience Analytical Services, Inc.

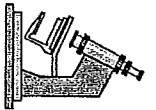
## PLM Asbestos Chain of Custody Record

LABORATORY/HEADQUARTERS

LABORATORY SERVICES

22 Cummings Park, Woburn, MA 01801  
T: 781-935-3212 F: 781-932-4857

683 North Mountain Rd., Newington, CT 06111  
T: 860-953-1022 F: 860-953-1030



RUSH

Turn Around Time Requested

Page 2 of 10

Same day  24 Hour  48 Hour  72 Hour  5 Days

Client: ABSOLUTE AIR QUALITY

Relinquished by/date: 12/21/10

Address: 124 HERITAGE AVE #10 PORTSMOUTH, NH 03801

Received by/date: \_\_\_\_\_

Project Site & Number: CREDEKE-TILTON 20715

Samples received: \_\_\_\_\_

Phone / FAX Number: 603-373-7373

Facsim: E-mailed, Verbal by/date: \_\_\_\_\_

Contact: GEORGE SYLVESTER

Stop on first positive: Yes/No X No

For Lab Use: Batch Number P72852

Analyzed by/date: [Signature]

RI 1

QC by/date: \_\_\_\_\_

Lab ID	Field ID Sampled date	Description / Location	Stereoscope										Optical Properties					Asbestos Percentage (%)					Non Asbestos Percentage (%)				
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous	
820920	7	CINDER BLOCK MORTAR BOILER ROOM	0	light tan																						100	
1	8	BRICK MORTAR BOILER ROOM	0	light tan																						100	
2	9	BRICK MORTAR BOILER ROOM	0	light tan																						100	
3	10A	RECEPTION FLOOR TILE	0	light tan																						95	
4	10B	RECEPTION FLOOR MASTIC	0	light tan																						10	
5	11A	RECEPTION FLOOR TILE	0	light tan																						80	

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663

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Revised on 4/7/09



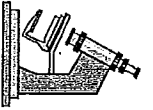
# ProScience Analytical Services, Inc.

## PLM Asbestos Chain of Custody Record

RUSH

Turn Around Time Requested

Page 3 of 10



LABORATORY/HEADQUARTERS  
 22 Cummings Park, Woburn, MA 01801  
 T: 781-935-3212 F: 781-932-4857

LABORATORY SERVICES  
 683 North Mountain Rd., Newington, CT 06111  
 T: 860-953-1022 F: 860-953-1030

Same day  24 Hour  48 Hour  72 Hour  5 Days

Client: ABSOLUTE TILE QUALITY

Address: 124 HERITAGE AVE #10 PORTSMOUTH, NH 03801

Relinquished by/date: K.D. 12/21/10

Project Site & Number: CRENSHAW - TILTON 20715

Received by/date:

Phone / FAX Number: 603-373-7373

Samples received:

Contact: GEORGE SYLVESTER

Faxed, E-mailed, Verbal by/date:

For Lab Use > Batch Number

B72852

Analyzed by/date:

J. Sylvester 12/29/10

Step on first positive: Yes/No

Yes  No

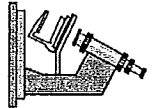
QC by/date:

Lab ID	Field ID Sampled date	Description / Location	Asbestos Percentage (%)								Non Asbestos Percentage (%)														
			Stereo Scope		Optical Properties				RI	Asbestos Percentage (%)					Non Asbestos Percentage (%)										
% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence		Pleochroism	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous		
820924	11B	RECEPTION FLOOR MASTIC																							
	7	RECEPTION FLOOR TILE																							
	8	RECEPTION FLOOR MASTIC																							
	9	RECEPTION CEILING TILE																							
	30	RECEPTION CEILING TILE																							
	1	RECEPTION CEILING TILE																							

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663  
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# ProScience Analytical Services, Inc.

## PLM Asbestos Chain of Custody Record



RUSH

Turn Around Time Requested

Page 4 of 10

LABORATORY/HEADQUARTERS  
 22 Cummings Park, Woburn, MA 01801  
 T: 781-935-3212 F: 781-932-4857

LABORATORY SERVICES  
 683 North Mountain Rd., Newington, CT 06111  
 T: 860-953-1022 F: 860-953-1030

Same day  24 Hour  48 Hour  72 Hour  5 Days

Client: ABSOLUTE TILE QUALITY

Relinquished by/date: K. D. S 12/21/10

Address: 124 HEDITHGATE AVE #10 PORTSMOUTH, NH 03801

Received by/date: \_\_\_\_\_

Project Site & Number: CREDEE - TILDON 20715

Samples received: \_\_\_\_\_

Phone / FAX Number: 603-373-7373

Facsimile, E-mailed, Verbal by/date: \_\_\_\_\_

Contact: GEORGE SYLVESTER

Skipped first positive: Yes  No

For Lab Use -> Batch Number

Analyzed by/date: \_\_\_\_\_

QC by/date: \_\_\_\_\_

QC by/date: \_\_\_\_\_

Non Asbestos Percentage (%)

Lab ID	Field ID Sampled date	Description / Location	Stereoscope				Optical Properties				Asbestos Percentage (%)						Non Asbestos Percentage (%)												
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous			
220932	16	ORANGE FLOOR TILE COTTAGE	NO	ORANGE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	75	
3	17	ORANGE FLOOR TILE COTTAGE																											
4	18	ORANGE FLOOR TILE COTTAGE																											
5	19A	BLACK WALL TILE COTTAGE																											
4	19B	BLACK WALL TILE MASTIC COTTAGE																											
7	20A	BLACK WALL TILE COTTAGE																											

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663

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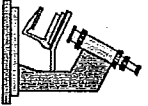
Revised on 4/7/09

# ProScience Analytical Services, Inc.

## PLM Asbestos Chain of Custody Record

LABORATORY/HEADQUARTERS      LABORATORY SERVICES

22 Cummings Park, Woburn, MA 01801      683 North Mountain Rd., Newington, CT 06111  
 T: 781-935-3212 F: 781-932-4857      T: 860-953-1022 F: 860-953-1030



RUSH

Turn Around Time Requested

Same day    24 Hour    48 Hour    72 Hour    5 Days

Client: ABSOLUTE TILE QUALITY

Address: 124 HERITAGE AVE #10 PORTSMOUTH, NH 03801

Project Site & Number: CRENSHAW - TILTON 20715

Phone / FAX Number: 603-373-7373

Contact: GEORGE SYLVESTER

For Lab Use -> Batch Number

B72852

Analyzed by/date:

[Signature] 12/29/10

QC by/date:

X No

Relinquished by/date:

[Signature] 12/21/10

Received by/date:

Samples received:

Faxed, E-mailed, Verbal by/date:

Analyzed:

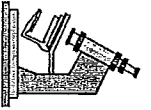
Lab ID	Field ID Sampled date	Description / Location	Stereo Scope			Optical Properties			Asbestos Percentage (%)							Non Asbestos Percentage (%)											
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous	
820932	20B	BLACK WALL tile MASTIC COTTAGE	0	Black	KN	FR																					100
9	21A	BLACK WALL tile COTTAGE	0	Black	KN	FR																					70
40	21B	BLACK WALL tile MASTIC COTTAGE	0	Black	KN	FR																					100
1	22A	BATHROOM top tile BLACK/WHITE COTTAGE	0	Black/White	KN	FR																					100
2	22B	BATHROOM top tile BLACK/WHITE MASTIC COTTAGE	0	Black/White	KN	FR																					100
3	23A	BATHROOM top tile BLACK/WHITE COTTAGE	0	Black/White	KN	FR																					100

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663

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# ProScience Analytical Services, Inc.

## PLM Asbestos Chain of Custody Record



RUSH

Turn Around Time Requested

Page 10 of 16

**LABORATORY/HEADQUARTERS** 22 Cummings Park, Woburn, MA 01801  
 T: 781-935-3212 F: 781-932-4857

**LABORATORY SERVICES** 683 North Mountain Rd., Newington, CT 06111  
 T: 860-953-1022 F: 860-953-1030

Same day  24 Hour  48 Hour  72 Hour  5 Days

**Client:** ABSOLUTE AIR QUALITY

Relinquished by/date: K. J. S. 12/21/10

**Address:** 124 HERITAGE AVE #10 PORTSMOUTH, NH 03801

Received by/date: \_\_\_\_\_

**Project Site & Number:** CREDELETT - TILTON 20715

Samples received: \_\_\_\_\_

**Phone / FAX Number:** 603-373-7373

Facsimile E-mailed: Verbal by/date: \_\_\_\_\_

**Contact:** GEORGE SYLVESTER

Step on first positive: Yes  No

**For Lab Use >** Batch Number P72852

Analyzed by/date: [Signature]

QC by/date: 12/29/10

QC by/date: \_\_\_\_\_

Lab ID	Field ID Sampled date	Description / Location	Stereo Scope				Optical Properties				Asbestos Percentage (%)							Non Asbestos Percentage (%)									
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous	
B200144	23B	Bathroom top tile Black/white Mastic Cottage	0	R	Y	cm																					100
5	24A	Bathroom top tile Black/white Cottage	0	M	Y	cm																					100
4	24B	Bathroom top tile Black/white Mastic Cottage	0	R	Y	cm																					100
7	25A	Bathroom Bottom tile RED Cottage	0	M	Y	cm																					50
8	25B	Bathroom Bottom tile RED Mastic Cottage <u>ASBESTIC</u>	0	M	Y	cm																					50
9	26A	Bathroom Bottom tile RED Cottage	0	M	Y	cm																					50

**Comments:** Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663

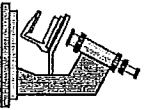
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# ProScience Analytical Services, Inc.

## PLM Asbestos Chain of Custody Record

LABORATORY/HEADQUARTERS      LABORATORY SERVICES

22 Cummings Park, Woburn, MA 01801      683 North Mountain Rd., Newington, CT 06111  
 T: 781-935-3212 F: 781-932-4857      T: 860-953-1022 F: 860-953-1030



RUSH

Turn Around Time Requested

Page 7 of 16

Same day    24 Hour    48 Hour    72 Hour    5 Days

Client: ABSOLUTE TILE QUALITY

Address: 124 HERITAGE AVE #10 PORTSMOUTH, NH 03801

Project Site & Number: CREDEKE - TILDON 20715

Phone / FAX Number: 603-373-7373

Contact: GEORGE SYLVESTER

For Lab Use: Batch Number

B72852

Analyzed by/date:

[Signature] 12/29/10

QC by/date:

X No

Relinquished by/date:

[Signature] 12/21/10

Received by/date:

Samples received:

Filed, E-mailed, Verbal by/date:

Stop on first positive: Yes

Lab ID	Field ID Sampled date	Description / Location	% Asbestos	Stereo Scope				Optical Properties				Asbestos Percentage (%)							Non Asbestos Percentage (%)								
				Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
2A0950	27A 26B	BATHROOM BOTTOM TILE RED MASTIC COTTAGE	0	Colorful	Homogeneous	Textured	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
1	27A	BATHROOM BOTTOM TILE RED COTTAGE	0	Colorful	Homogeneous	Textured	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
2	27B	BATHROOM BOTTOM TILE MASTIC COTTAGE	0	Colorful	Homogeneous	Textured	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
3	28	BATHROOM CEILING TILE COTTAGE	0	Colorful	Homogeneous	Textured	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
4	29	BATHROOM CEILING TILE COTTAGE	0	Colorful	Homogeneous	Textured	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
5	30	BATHROOM CEILING TILE COTTAGE	0	Colorful	Homogeneous	Textured	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663

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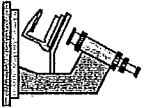
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## PLM Asbestos Chain of Custody Record

LABORATORY/HEADQUARTERS      LABORATORY SERVICES

22 Cummings Park, Woburn, MA 01801      683 North Mountain Rd., Newington, CT 06111  
 T: 781-935-3212 F: 781-932-4857      T: 860-953-1022 F: 860-953-1030



RUSH

Turn Around Time Requested

Page 8 of 16

Same day    24 Hour    48 Hour    72 Hour    5 Days

Client: ABSOLUTE AIR QUALITY

Relinquished by/date: K.D.S. 12/21/10

Address: 124 HERITAGE AVE #10 PORTSMOUTH, NH 03801

Received by/date: \_\_\_\_\_

Project Site & Number: CREDELE-TILDON 20715

Samples received: \_\_\_\_\_

Phone / FAX Number: 603-373-7373

Step on first positive: Yes \_\_\_\_\_ No \_\_\_\_\_

Contact: GEORGE SYLVESTER

QC by/date: \_\_\_\_\_

For Lab Use: Batch Number

B72852

Analyzed by/date: \_\_\_\_\_

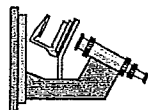
Lab ID	Field ID Sampled date	Description / Location	Stereoscope			Optical Properties			Asbestos Percentage (%)							Non Asbestos Percentage (%)														
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous				
820954	31	WIRE INSULATION COTTAGE.	0	Black	Even	Smooth	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	
7	33A	Flat roof top layer Shingle garage	0	White	Even	Smooth	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
8	33B	Flat roof top layer Shingle mastic garage	0	Black	Even	Smooth	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
9	34A	Flat roof top layer Shingle garage	0	White	Even	Smooth	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
60	34B	Flat roof top layer Shingle mastic garage	0	White	Even	Smooth	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
1	35A	Flat roof top layer Shingle garage	0	White	Even	Smooth	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663

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## PLM Asbestos Chain of Custody Record



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 22 Cummings Park, Woburn, MA 01801  
 T: 781-935-3212 F: 781-932-4857

**LABORATORY SERVICES**  
 683 North Mountain Rd., Newington, CT 06111  
 T: 860-953-1022 F: 860-953-1030

RUSH

Turn Around Time Requested \_\_\_\_\_

Same day 
  24 Hour 
  48 Hour 
  72 Hour 
  5 Days

Client: ABSOLUTE AIR QUALITY  
 Address: 124 HERITAGE AVE #10 ROBERTSMOUTH, NH 03801  
 Project Site & Number: CREDEKE-TILTON 20715  
 Phone / FAX Number: 603-373-7373  
 Contact: GEORGE SYLVESTER

Relinquished by/date: \_\_\_\_\_  
 Received by/date: \_\_\_\_\_  
 Samples received: \_\_\_\_\_  
 Faxed E-mailed, Verbal by/date: \_\_\_\_\_  
 Analyzed: \_\_\_\_\_

For Lab Use > Batch Number

B72852

Analyzed by/date: \_\_\_\_\_

Stop on first positive: Yes  
12/29/10  
 QC by/date: \_\_\_\_\_

X No

Lab ID	Field ID Sampled date	Description / Location	Stereo Scope					Optical Properties					Asbestos Percentage (%)							Non Asbestos Percentage (%)																			
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous													
35B	36B	Flat roof top layer Shingle mastic garage	0	Black	Homogeneous	Shiny	Yes																																
3	36A	Flat roof <del>top</del> Bottom layer shingle Garage	0	Black	Homogeneous	Shiny	Yes																																
4	36B	Flat roof Bottom layer Shingle mastic Garage	0	Black	Homogeneous	Shiny	Yes																																
5	37A	Flat roof bottom layer Shingle Garage	0	Black	Homogeneous	Shiny	Yes																																
4	37B	Flat roof Bottom layer Shingle mastic Garage	0	Black	Homogeneous	Shiny	Yes																																
7	38A	Flat Roof Bottom layer SHINGLE GARAGE	0	Black	Homogeneous	Shiny	Yes																																

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 239027, 235000, 230653  
 Laboratory uses the EPA or ELAP point count method as appropriate  
 For complete information about our services and locations please visit us at [www.proscience.net](http://www.proscience.net) or call the numbers above.  
 Revised on 4/7/09

# ProScience Analytical Services, Inc.

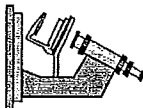
## PLM Asbestos Chain of Custody Record

LABORATORY/HEADQUARTERS

LABORATORY SERVICES

22 Cummings Park, Woburn, MA 01801  
T: 781-935-3212 F: 781-932-4857

683 North Mountain Rd., Newington, CT 06111  
T: 860-953-1022 F: 860-953-1030



RUSH

Turn Around Time Requested

Same day  24 Hour  48 Hour  72 Hour  5 Days

Page 100116

Client: ABSOLUTE FIRE QUALITY

Relinquished by/date: 12/21/10

Address: 124 HERITAGE AVE #10 PORTSMOUTH, NH 03801

Received by/date: 12/21/10

Project Site & Number: CRENSHAW-TILTON 20715

Samples received: 12/21/10

Phone / FAX Number: 603-373-7373

Faxed, E-mailed, Verbal by/date: 12/21/10

Contact: GEORGE SYLVESTER

Stop on first positive: Yes  No

For Lab Use - Batch Number

Analyzed by/date: 12/21/10

QC by/date: 12/21/10

B72852

Lab ID	Field ID Sampled date	Description / Location	Stereoscope										Optical Properties						Asbestos Percentage (%)						Non Asbestos Percentage (%)					
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous				
2200968	39B	Flat Roof Bottom Layer SHINGLE GARAGE MASTIC <i>NO MASTIC</i>	0	Black	Homogeneous	Smooth	Non-friable	Acicular	Extinct	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	70			
9	39A	Vertical Shingle top Layer Garage	0	Black	Homogeneous	Smooth	Non-friable	Acicular	Extinct	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	70			
70	39B	Vertical Shingle top Layer MASTIC Garage	0	Black	Homogeneous	Smooth	Non-friable	Acicular	Extinct	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	100			
1	40A	Vertical Shingle top Layer Garage	0	Black	Homogeneous	Smooth	Non-friable	Acicular	Extinct	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	70			
2	40B	Vertical Shingle top Layer MASTIC Garage	0	Black	Homogeneous	Smooth	Non-friable	Acicular	Extinct	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	100			
3	41A	Vertical Shingle top Layer Garage	0	Black	Homogeneous	Smooth	Non-friable	Acicular	Extinct	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	70			

Comments: Birefringence L= less than .010, M= .01-1-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663  
Laboratory uses the EPA or ELAP point count method as appropriate  
For complete information about our services and locations please visit us at [www.prosciencenet.com](http://www.prosciencenet.com) or call the numbers above.  
Revised on 4/7/09



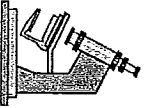
# ProScience Analytical Services, Inc.

## PLM Asbestos Chain of Custody Record

LABORATORY/HEADQUARTERS

LABORATORY SERVICES

22 Cummings Park, Woburn, MA 01801 683 North Mountain Rd., Newington, CT 06111  
 T: 781-935-3212 F: 781-932-4857 T: 860-953-1022 F: 860-953-1030



Turn Around Time Requested

Page 11 of 16

RUSH

Same day  24 Hour  48 Hour  72 Hour  5 Days

Client: ABSOLUTE AIRE QUALITY

Address: 124 HERITAGE AVE #10 PORTSMOUTH, NH 03801

Relinquished by/date: K. D. S 12/21/10

Project Site & Number: CRENSHAW - TILTON 20715

Received by/date:

Phone / FAX Number: 603-373-7373

Samples received: Stop on first positive: Yes

Contact: GEORGE SILVESTER

Faxed, E-mailed, Verbal by/date:

For Lab Use -> Batch Number

B72852

Analyzed by/date:

12/29/10

QC by/date:

Lab ID	Field ID Sampled date	Description / Location	Stere Scope				Optical Properties				Asbestos Percentage (%)						Non Asbestos Percentage (%)										
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous		
820974	41B	VERTICAL SHINGLE TOP LAYER GARAGE MASTIC	0	Black	Homogeneous	Smooth	Yes																				
5	42A	VERTICAL SHINGLE BOTTOM GARAGE	0	Black	Homogeneous	Smooth	Yes																				
4	42B	VERTICAL SHINGLE BOTTOM MASTIC GARAGE MASTIC	0	Black	Homogeneous	Smooth	Yes																				
7	43A	VERTICAL SHINGLE BOTTOM GARAGE	0	Black	Homogeneous	Smooth	Yes																				
8	43B	VERTICAL SHINGLE BOTTOM MASTIC GARAGE MASTIC	0	Black	Homogeneous	Smooth	Yes																				
9	44A	VERTICAL SHINGLE BOTTOM GARAGE	0	Black	Homogeneous	Smooth	Yes																				

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663

Laboratory uses the EPA or ELAP point count method as appropriate

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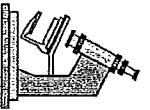
Revised on 4/7/09

# ProScience Analytical Services, Inc.

## PLM Asbestos Chain of Custody Record

LABORATORY/HEADQUARTERS

22 Cummings Park, Woburn, MA 01801 683 North Mountain Rd., Newington, CT 06111  
 T: 781-935-3212 F: 781-932-4857 T: 860-953-1022 F: 860-953-1030



Turn Around Time Requested

- RUSH
- Same day  24 Hour  48 Hour  72 Hour  5 Days

Client: ABSOLUTE HR QUALITY

Address: 124 HERITAGE AVE #10 PORTSMOUTH, NH 03801

Project Site & Number: CREDEAR-TILTON 20715

Phone / FAX Number: 603-373-7373

Contact: GEORGE SYLVESTER

For Lab Use -> Batch Number

878852

Analyzed by/date:

[Signature] 12/29/10

QC by/date:

No

Relinquished by/date: 12/29/10

Received by/date:

Samples received:

Analyzed:

Faxed, E-mailed, Verbal by/date:

No

Lab ID	Field ID Sampled date	Description / Location	Stere Scope							Optical Properties							Asbestos Percentage (%)							Non Asbestos Percentage (%)						
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI'	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous				
820180	44B	VERTICAL SHINGLE BOTTOM MASSC GARAGE	0																											
1	45A	GREEN SHINGLE SIDING SIDE B GARAGE	0																							75				
2	45B	GREEN SHINGLE SIDING PAPER SIDE B GARAGE	0																							75				
3	46A	GREEN SHINGLE SIDING SIDE B GARAGE	0																							75				
4	46B	GREEN SHINGLE SIDING PAPER SIDE B GARAGE	0																							75				
5	47A	GREEN SHINGLE SIDING SIDE B GARAGE	0																							75				

DZ

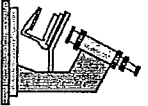
Comments: Birefringence L= less than .010, Wh= .011-.029, H= greater than .03, Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663  
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# ProScience Analytical Services, Inc.

## PLM Asbestos Chain of Custody Record

LABORATORY/HEADQUARTERS      LABORATORY SERVICES

22 Cummings Park, Woburn, MA 01801      683 North Mountain Rd., Newington, CT 06111  
 T: 781-935-3212 F: 781-932-4857      T: 860-953-1022 F: 860-953-1030



RUSH

Turn Around Time Requested

Same day    24 Hour    48 Hour    72 Hour    5 Days

Client: ABSOLUTE AIR QUALITY

Address: 124 HERITAGE AVE #10 PORTSMOUTH, NH 03801

Project Site & Number: CEDELEE - TILDON 20715

Phone / FAX Number: 603-373-7373

Contact: GEORGE SYLVESTER

For Lab Use -> Batch Number B72852

Analyzed by/date: [Signature]

Relinquished by/date: [Signature]

Received by/date: [Signature]

Samples received: [Signature]

Skipped on first positive: Yes

Faxed, E-mailed, Verbal by/date: [Signature]

QC by/date: X

Analyzed: No

Lab ID	Field ID Sampled date	Description / Location	Stereo Scope				Optical Properties				RI	Asbestos Percentage (%)						Non Asbestos Percentage (%)										
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation		Birefringence	Pleochroism	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous		
B20984	47B	GREEN SHINGLE B SIDE C GRAVEL	0	Grey	Even	Even														100								
	7	48A GREY/RED SHINGLE SIDING GRAVEL	0	Grey	Even	Even															95							75
	8	48B GREY/RED SHINGLE SIDING GRAVEL	0	Grey	Even	Even															95							75
	9	49A GREY/RED SHINGLE SIDING GRAVEL	0	Grey	Even	Even															95							75
	9D	49B GREY/RED SHINGLE SIDING GRAVEL	0	Grey	Even	Even															95							75
1	50A	GREY/RED SHINGLE SIDING GRAVEL	0	Grey	Even	Even															95							75

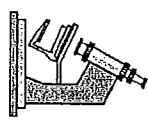
Comments: Birefringence L= less than .010, M=.011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 235000, 230653  
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# ProScience Analytical Services, Inc.

## PLM Asbestos Chain of Custody Record

LABORATORY/HEADQUARTERS  
 22 Cummings Park, Woburn, MA 01801  
 T: 781-935-3212 F: 781-932-4857

LABORATORY SERVICES  
 683 North Mountain Rd., Newington, CT 06111  
 T: 860-953-1022 F: 860-953-1030



RUSH

Turn Around Time Requested

Same day  24 Hour  48 Hour  72 Hour  5 Days

Client: ABSOLUTE #12 QUALITY  
 Address: 124 HERITAGE AVE #10 PORTSMOUTH, NH 03801  
 Project Site & Number: CREDEGE-TILTON 20715  
 Phone / FAX Number: 603-378-7373  
 Contact: GEORGE SYLVESTER  
 For Lab Use > Batch Number: B72852

Analyzed by/date: [Signature] 12/20/10  
 Relinquished by/date: [Signature] 12/21/10  
 Received by/date: \_\_\_\_\_  
 Samples received: \_\_\_\_\_  
 Faxed, E-mailed, Verbal by/date: \_\_\_\_\_  
 Stop on first positive: Yes  No   
 QC by/date: \_\_\_\_\_  
 Analyzed: \_\_\_\_\_

Lab ID	Field ID Sampled date	Description / Location	Stereoscope							Optical Properties							Asbestos Percentage (%)					Non Asbestos Percentage (%)						
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI	T	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous	
B20992	50B	GREY/RED SHINGLE SIDING PAPER SIDE C GARAGE	0	Black	EH	EH																						30
3	51A	COTTAGE ROOF SHINGLE TOP	0	Black	EH	EH																						30
4	51B	COTTAGE ROOF SHINGLE TOP MASTIC	0	Black	EH	EH																						100
5	52A	COTTAGE ROOF SHINGLE TOP	0	Black	EH	EH																						50
4	52B	COTTAGE ROOF SHINGLE TOP MASTIC	0	Black	EH	EH																						100
7	53A	COTTAGE ROOF SHINGLE TOP	0	Black	EH	EH																						50

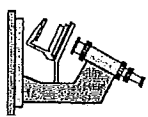
Comments: Birefringence L= less than .010, M=.011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230653  
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 Revised on 4/7/09

# ProScience Analytical Services, Inc.

## PLM Asbestos Chain of Custody Record

LABORATORY/HEADQUARTERS  
 22 Cummings Park, Woburn, MA 01801  
 T: 781-935-3212 F: 781-932-4857

LABORATORY SERVICES  
 683 North Mountain Rd., Newington, CT 06111  
 T: 860-953-1022 F: 860-953-1030



RUSH

Turn Around Time Requested

Page 5 of 6

Same day  24 Hour  48 Hour  72 Hour  5 Days

Client: ABSOLUTE MID QUALITY  
 Address: 124 HERITAGE AVE #10 PORTSMOUTH, NH 03801  
 Project Site & Number: CRENSHAW-TILTON/ 20715  
 Phone / FAX Number: 603-373-7373  
 Contact: Geoff Sylvester  
 For Lab Use > Batch Number B72852

Analyzed by/date: [Signature] 12/20/10 QC by/date: \_\_\_\_\_  
 Relinquished by/date: \_\_\_\_\_  
 Received by/date: \_\_\_\_\_  
 Samples received: \_\_\_\_\_  
 Faxed, E-mailed, Verbal by/date: \_\_\_\_\_  
 Stop on first positive: Yes  No   
 Analyzed: \_\_\_\_\_

Lab ID	Field ID Sampled date	Description / Location	Stereo Scope					Optical Properties					Asbestos Percentage (%)					Non Asbestos Percentage (%)									
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous		
820098	53B	COTTAGE ROOF SHINGLE TOP MASSIE	0	M	INT																						
9	54A	COTTAGE ROOF SHINGLE BOTTOM	0	R	INT																						
821000	54B	COTTAGE ROOF SHINGLE BOTTOM MASSIE	0	R	INT																						
1	55A	COTTAGE ROOF SHINGLE BOTTOM	0	R	INT																						
2	55B	COTTAGE ROOF SHINGLE BOTTOM MASSIE	0	R	INT																						
-3	56A	COTTAGE ROOF SHINGLE BOTTOM	0	R	INT																						

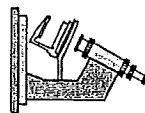
Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663  
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## PLM Asbestos Chain of Custody Record

**LABORATORY/HEADQUARTERS**  
 22 Cummings Park, Woburn, MA 01801  
 T: 781-935-3212 F: 781-932-4857

**LABORATORY SERVICES**  
 683 North Mountain Rd., Newington, CT 06111  
 T: 860-953-1022 F: 860-953-1030



RUSH

Turn Around Time Requested

Page 1 of 1b

Same day  24 Hour  48 Hour  72 Hour  5 Days

Relinquished by/date: 12/21/10

Received by/date: \_\_\_\_\_

Samples received: \_\_\_\_\_

Analyzed: \_\_\_\_\_

Faxed, E-mailed, Verbal by/date: \_\_\_\_\_

Stop on first positive:  Yes  No

QC by/date: \_\_\_\_\_

For Lab Use -> Batch Number

B72852

Analyzed by/date: [Signature]

12/29/10

QC by/date: \_\_\_\_\_

Lab ID	Field ID Sampled date	Description / Location	Stereoscope							Optical Properties					Asbestos Percentage (%)					Non Asbestos Percentage (%)							
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous	
Ba1004	5/08	CONCRETE ROOF STRUCTURE BITUM MASTIC																									

NO MASTIC

PCF

Comments: Birefringence L= less than .010, M=.011-.029, H= greater than .03. Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230653  
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 Revised on 4/7/09

Community Revitalization, Economic Development, Environmental Remediation & Engineering

Contact us:

776 Main Street  
Westbrook, ME 04092  
P: (207) 828-1272  
F: (207) 887-1051

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CREDERE ASSOCIATES, LLC

