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

Type of Submittal (Check One-Most Applicable)

☐ Work Scope ☐ Reimbursement Request	☐ Remedial Action • Remedial Action Plan • Bid Plans and Specifications • Remedial Action Implementation Report ☐ Treatment System and POE O&M ☐ Activity and Use Restriction
☐ UST Facility Report ☐ AST Facility Report	
☐ Emergency/Initial Response Action ☐ Groundwater Quality Assessment	☐ Temporary Surface Water Discharge Permit
☐ Initial Site Characterization ☐ Site Investigation • Site Investigation Report • Supplemental Site Investigation Report • GMZ Delineation • Source Area Investigation • Data Submittal • Annual Summary Report ☒ Unsolicited Brownfields Submittal ☐ Closure Documentation	☐ Groundwater Management Permit • Permit Application • Renewal Application • Deed Recordation Documentation • Abutter Notification Documentation • Release of Recordation ☐ Data Submittal ☐ Annual Summary Report

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

Former Polyclad Laminates Site
45 Tannery Street
Franklin, New Hampshire
NHDES Site #199902062

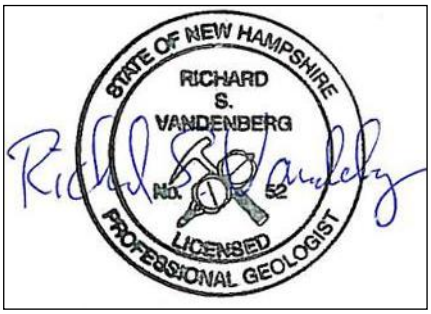
Jonathan O'Donnell

Digitally signed by Jonathan O'Donnell
DN: cn=Jonathan O'Donnell, o=Credere Associates, LLC, ou, email=jodonnell@crederellc.com, c=US
Date: 2012.06.27 12:13:37 -04'00'

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

Prepared By:
CREDERE ASSOCIATES, LLC
776 Main Street
Westbrook, Maine 04092
Phone: (207) 828-1272 ext. 20
Contact: Jonathan O'Donnell

June 27, 2012



Recommended Risk Category (check one)

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

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

June 27, 2012

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

Subject: **Phase II Environmental Site Assessment**
Former Polyclad Laminates Site
45 Tannery Street, Franklin, NH
NHDES Site # 199902062

Dear Mr. Koulet:

Attached is the Phase II Environmental Site Assessment for the Former Polyclad Laminates Site located at 45 Tannery Street in Franklin, New Hampshire. **Sections 11** and **12** of the attached report present our conclusions and recommendations regarding the Site. Copies of this report have been forwarded to the New Hampshire Department of Environmental Services (NHDES), the United States Environmental Protection Agency (U.S. EPA), and the City of Franklin.

Please do not hesitate to contact me at (207) 828-1272 ext. 20 if you have any questions, comments, or require additional information regarding this investigation.

Very truly,

CREDERE ASSOCIATES, LLC

Jonathan O'Donnell
Geo-Environmental Engineer

cc: Elizabeth Dragon, City of Franklin
Richard Lewis, City of Franklin
John Liptak, NHDES
Jerry Minor-Gordon, U.S. EPA

Phase II Environmental Site Assessment Report

Former Polyclad Laminates Site
45 Tannery Street
Franklin, New Hampshire
NHDES Site #199902062

Prepared for:

Lakes Region Planning Commission
103 Main Street, Suite #3
Meredith, New Hampshire 03253
Attn: Kimon Koulet
Executive Director

June 27, 2012

In Reference to:
Credere Project No. 10001086

Submitted by:
Credere Associates, LLC
776 Main Street
Westbrook, ME 04092

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EXECUTIVE SUMMARY

Credere Associates, LLC (Credere) has conducted a Phase II Environmental Site Assessment (ESA) at the former Polyclad Laminates Site (the Site) located at 45 Tannery Street in Franklin, New Hampshire, in general conformance with the American Society for Testing Materials (ASTM) Standard Guide for Environmental Site Assessments: *Phase II Environmental Site Assessment Process* E 1903-97 (reapproved 2002). Phase II ESA activities were performed specifically to confirm or dismiss *recognized environmental conditions* (RECs) and other ASTM *non-scope considerations* (NCs) identified during a Phase I ESA that was completed for the Site by Nobis Engineering, Inc. (Nobis) in April 2011 and additional environmental concerns identified by Credere during the development of a site-specific quality assurance project plan (SSQAPP) addendum for the Site.

Credere's Phase II ESA work, which is outlined in the New Hampshire Department of Environmental Services (NHDES) and the United States Environmental Protection Agency (U.S. EPA) approved SSQAPP addendum, included the following: a ground penetrating radar (GPR) survey of the Site to identify subsurface features; advancement of five (5) soil borings; excavation of thirteen (13) test pits; installation of three (3) monitoring wells; and collection and laboratory analysis of two (2) sub-slab soil gas samples, four (4) surficial soil samples, eighteen (18) subsurface soil samples, seven (7) building material/debris samples, and groundwater samples from an existing monitoring well and the three (3) newly installed monitoring wells.

Based on the findings of this work, Credere's conclusions regarding the identified RECs and additional environmental concerns are as follows:

Recognized Environmental Conditions

- REC-1, which was associated the presence of a 12,000-gallon fuel oil underground storage tank (UST) (identified as UST-6) that was closed-in-place in the vicinity of the loading dock, is dismissed because no evidence of contamination was identified in soil samples collected from the sides and adjacent to the bottom of the closed-in-place UST in test pits CA-TP-7 and CA-TP-7A. In addition, observations made by Credere indicated that this UST was filled with clean sand at the time of closure-in-place.
- REC-2, which was associated with the potential presence of a reported 4,000-gallon fuel oil UST (identified as UST-8) shown on a historical Sanborn Map, is dismissed because no UST was identified in this location during the GPR survey and no evidence of contamination exceeding applicable standards was identified in test pits CA-TP-8, CA-TP-10, or CA-TP-11.
- REC-3, which was associated with the potential presence of a reported 4,000-gallon fuel oil UST (identified as UST-9) shown on a historical Sanborn Map, is dismissed because no UST was identified in this location during the GPR survey, and no evidence of

contamination was identified in test pit CA-TP-9 or in soil gas sample locations CA-SG-1 through CA-SG-5, which were completed to evaluate this REC.

- REC-4, which was associated with a former fuel dispenser and a number of filling caps formerly located in the vicinity of the closed-in-place UST-6, is dismissed because no evidence of contamination exceeding applicable standards was identified is soil samples collected from test pit CA-TP-12, which was advanced in the suspected location a former fuel dispenser.
- REC-5, which was associated with the presence of a sheen of degraded gasoline previously noted in 2008 in existing monitoring well MW-2, is confirmed, because groundwater from a newly installed monitoring well (CA-2) located 30 feet southwest of MW-2 contained 1,2,4-trimethylbenzene at a concentration exceeding the applicable NHDES Ambient Groundwater Quality Standard (AGQS), suggesting that a plume of degraded gasoline is present beneath the Site.
- REC-6, which was associated with a subsurface structure identified during a previous GPR survey east of the former building and believed to be a former concrete septic tank, is dismissed because this structure was determined to be a part of the municipal sewer system and not a septic tank, and therefore does not represent a pathway to the subsurface environment.
- REC-7, which was associated with the presence of buried waste related to the previous usage of the Site as a tannery, is dismissed. While evidence of buried waste was observed in the form of leather hides in test pits CA-TP-9, CA-TP-13, and CA-TP-14, no evidence of contamination at concentrations exceeding applicable standards was observed in association with the buried waste. However, this condition represents a solid waste issue that should be properly managed.
- REC-8, which was associated with pipes that were previously noted emitting unknown solvent odors and elevated total volatile organic readings in the southwestern portion of the building, is dismissed, because no evidence of contamination exceeding applicable standards was identified in soil gas (soil gas sample locations CA-SG-6 through CA-SG-11), soil (boring CA-3), or in groundwater (monitoring well CA-3) samples collected from this area.
- REC-9, which was associated with former press pits located within the manufacturing slab that are stained with petroleum, is dismissed because no evidence of contamination was identified in soil samples collected from adjacent to the bottoms of the press pits (borings CA-4 and CA-5).
- REC-10, which was associated with a pile of demolition debris located on the southwestern portion of the Site, is dismissed because no potential lead-based paint or PCB-containing materials were observed in the pile, and no asbestos was identified in a floor tile sample collected from the pile.

Additional Environmental Concerns

The following additional environmental concerns were identified by Credere during development of the SSQAPP and assessed during this Phase II ESA:

- Potential impact associated with the former use of the Site for railroad activities is confirmed, because benzo[a]pyrene was detected above the applicable NHDES Soil Remediation Standards (SRS) in surficial soil sample CA-SS-3. Benzo[a]pyrene is a polycyclic aromatic hydrocarbon (PAH) which is known to be associated with railroad activities.
- The potential impact of a former electrical transformer located on the west side of the building is dismissed, because no PCBs were identified in soil collected from an electrical pit in this area of the Site. Additionally, two samples of stained concrete collected from this area of the Site contained no PCBs above laboratory practical quantification limits.
- A soil sample collected from test pit CA-TP-15 at 5 to 7 feet below ground surface (bgs) contained the PAHs benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene at concentrations which exceeded their applicable NHDES SRS. No staining was observed in this test pit nor was this sample associated with any observed buried wastes. Additionally, no PAHs were identified in soil in contact with buried waste in test pits CA-TP-13 or CA-TP-14. Although this test pit was not in the location of or downgradient of any identified Site USTs, it is Credere's opinion that this contamination may be associated with a past petroleum release from the former UST-10, which was located approximately 40 feet away or from another unknown on-site source.
- Building material sample results indicate that blue 12-inch square floor tile remnants remaining attached to the concrete building slab are asbestos-containing material (ACM). It is not clear if any of these tiles are present in the demolition pile remaining on-site.

Based on observations and results of this Phase II ESA for the Site, Credere makes the following recommendations:

- Credere recommends that delineation of all buried solid waste at the Site be conducted, including tannery hides, other tannery wastes, and building demolition debris, per NHDES Solid Waste Rules Env-Sw 309 in support of a Pre-1981 landfill registration.
- Subsequent to the delineation of all buried solid waste at the Site, Credere recommends that the Site be registered as a Pre-1981 landfill according to NHDES Solid Waste Rules Env-Sw 309.

- Credere recommends that delineation of the identified PAH contaminated surficial soil in the areas of CA-SS-3 and CA-TP-15 be conducted. Credere recommends that a Remedial Action Plan (RAP) be developed to address the PAH contaminated soil.
- Credere recommends additional investigation to assess the full extent and magnitude of degraded gasoline contamination identified at monitoring well CA-2. This additional assessment should supplement the development of a groundwater flow model of the Site in order to define the nature, extent, and/or potential fate and transport characteristics of the identified impacted media. Credere also recommends that this petroleum contamination issue be referred to the NHDES Petroleum Remediation Program as the observed contamination is likely associated with one of the former USTs at the Site. If accepted into this program, future investigation work will be reimbursed by the program.
- Credere recommends that the identified ACM floor tile remaining on the former building slab be properly handled according to all applicable NHDES Asbestos and Solid Waste Rules prior to the development of the Site.

1. INTRODUCTION

This report presents the results of a Phase II Environmental Site Assessment (ESA) conducted by Credere Associates, LLC (Credere) at the former Polyclad Laminates site (the Site) located at 45 Tannery Street in Franklin, New Hampshire as part of the Lakes Region Planning Commission's (LRPC) Brownfields Assessment Program. **Figure 1** shows the general location of the Site in Franklin.

The Phase II ESA was completed in general conformance with the American Society for Testing Materials (ASTM) Standard Guide for Environmental Site Assessments: *Phase II Environmental Site Assessment Process* E 1903-97 (reapproved 2002).

The field program used during this Phase II ESA was completed in accordance with the U.S. Environmental Protection Agency (EPA)-approved June 28, 2011, Site-Specific Quality Assurance Project Plan (SSQAPP) Addendum. The SSQAPP is an addendum to the previously approved New Hampshire Generic QAPP RFA #08166 and #09036, which was prepared for all of Credere's EPA work in New Hampshire. The SSQAPP addendum 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 SITE DESCRIPTION

The Site is composed of a single vacant 1.97-acre parcel of land located at 45 Tannery Street in Franklin, New Hampshire, that is situated along the Pemigewasset River. The Site consists of a vacant lot with a concrete slab-on-grade foundation and a pile of debris remaining from the previous demolition of the Site building. **Figure 2** shows the former Site building footprint and other pertinent Site features.

According to Nobis Engineering, Inc. (Nobis)'s April 11, 2011, Phase I ESA report for the Site, which was reviewed as a part of the development of the SSQAPP, the Site was first developed in 1892. By approximately 1930, the first building was constructed on the Site. The most recent building was demolished in 2008 after it collapsed due to heavy winter snow cover.

According to the Nobis Phase I ESA report, the Site appears to have been used for railroad purposes when the Boston & Maine and Bristol Railroad transected the Site beginning in 1892. It is not clear when railroad activities ceased on the Site. However, records do show that the Hingston Leather Company, Inc. and Louis Verza Leather Company were using the Site for tannery activities beginning in the 1950s until the mid to late 1950s. Nobis indicated that there was very little environmental information available for the Site as it pertains to the former tannery operations.

Between 1979 and 1980, Polyclad Laminates, Inc. began operations on the Site. Polyclad Laminates, Inc. manufactured component materials used in multi-layered circuit boards called "pre-preg." The process involved dipping fiberglass cloth in a dip tank filled with epoxy resin. Polyclad Laminates used the Site for the manufacture of pre-preg from between 1979 and 1980 until approximately 2006.

2.2 SUMMARY OF PREVIOUS WORK

The following is a summary of the findings and conclusions of Nobis as reported in their April 2011 Phase I ESA for the Site:

2.2.1 Recognized Environmental Conditions

1. The presence of a 12,000-gallon fuel oil underground storage tank (UST) (identified as UST-6) that is located in the vicinity of the loading dock and was closed-in-place (date uncertain) represented a REC.

2. The potential presence of a reported 4,000-gallon fuel oil UST (identified as UST-8) shown on a Sanborn Map represented a REC because the presence of this tank has not

been confirmed and no documentation regarding closure of the tank or information on the integrity of the tank was identified during the Phase I ESA.

3. The potential presence of a reported 4,000-gallon fuel oil UST (identified as UST-9) shown on a Sanborn Map represented a REC because the presence of this tank has not been confirmed and documentation regarding closure of the tank or information on the integrity of the tank was not identified during the Phase I ESA.

4. Due to the potential for undocumented past releases to the environment, Nobis identified a REC associated with presence of a former gasoline dispenser and a number of filling caps formerly located in the vicinity of former UST-6 because these items may have been associated with additional undocumented USTs in this area, and documentation regarding the removal of this dispenser or the disposition of related piping with respect to potential releases has not been confirmed.

5. The presence of a sheen of degraded gasoline previously noted in 2008 in monitoring well MW-2 for which a source was not identified, represents a REC due to the potential for an unidentified source of petroleum contamination to be present at the Site. [Note: According to a Phase II ESA Report prepared by Delta Consultants on April 10, 2008, previous sampling data collected in 2007 indicates that no volatile organic compounds (VOCs), metals, or polychlorinated biphenyls (PCBs) were detected in excess of New Hampshire Soil Remediation Standards (SRS) in a soil sample collected at 30 to 32 feet bgs during drilling of this well and no VOCs or semi-volatile organic compounds (SVOCs) were detected in excess of Ambient Groundwater Quality Standards (AGQS) in the groundwater sample collected from this well. However, a petroleum sheen was noted during sampling of the groundwater and the tentatively identified compounds (TICs) noted during laboratory analysis revealed that the sheen was likely gasoline.]

6. The potential that a subsurface structure identified during a ground penetrating radar (GPR) survey east of the former building, which was suspected to be a former concrete septic tank, represents a REC because of the potential for previous undocumented subsurface storage or disposal of hazardous substances and/or petroleum products in and around this structure.

7. The presence of buried waste related to the previous usage of the Site as a tannery represents a REC because the understanding of the extent and disposition of the waste (leather waste or unsuitable materials) is limited and may have led to improper disposal of hazardous substances.

8. Nobis concluded that, because of the potential for undocumented releases of hazardous substances in the past or in the future, pipes that were previously noted emitting unknown solvent odors and elevated total volatile organic compounds detected in the former chemical mixing room in the southwestern portion of the building, represented a REC

because the source of these odors (which may be a formerly closed-in-place acetone tank) is not known.

9. Two former press pits located within the manufacturing slab that are stained with petroleum represent a REC and they have not been fully assessed.

10. A pile of unknown debris located on the southwestern portion of the Site that is consistent with demolition debris represents a REC for its potential to contain waste ACM, lead-based paint [and other contaminants].

2.2.2 Other Potential Environmental Conditions

Based on review of the April 2011 Nobis Phase I ESA, Credere offers the following list of other potential environmental conditions:

1. Nobis documented that the Site was previously used for railroad activities beginning as early as 1892. Nobis concluded that this past use of the Site represented a *de minimis condition* because any contaminants from this past use would likely be deemed a background condition. Credere agrees with this assertion, but it is our opinion that non-point source background type releases of polycyclic aromatic hydrocarbons (PAHs), which would be considered the primary contaminants of concern, still represent a threat to human health if they exceed applicable New Hampshire Department of Environmental Services (NHDES) soil standards and should be addressed as a part of future redevelopment of the Site. Therefore, it is our opinion that this past use should be assessed as a part of this Phase II ESA.

2. Nobis indicated in the Phase I ESA that a data gap in the form of snow cover was noted during the Site Reconnaissance portion of their work. Given that the ground could not be observed, confirmation of exterior surface conditions is warranted prior commencing Phase II ESA field work because additional RECs may be identified that require assessment. As a result, a supplemental Site Reconnaissance is recommended as the first task of this Phase II ESA.

3. A former electrical transformer was located on the west side of the building. No information was noted in the previous reports regarding the potential presence of PCBs in the dielectric fluid associated with this transformer. However, considering the timeframe when this transformer would have been in operation, it may have contained PCBs, and a potential release of dielectric fluid from this former transformer may have impacted environmental conditions at the Site. For this reason, the potential presence of PCBs is a concern that should be considered.

2.2.3 History of Underground Storage Tanks at the Site

The operational history of USTs is an important element in the environmental history of the Site. As result, the information below, as reported by Nobis in the April 2011 Phase I ESA, provides an inventory of the USTs which have been identified at the Site. Additional details concerning UST history can be reviewed in the previously submitted Nobis Phase I ESA.

UST ID	Capacity (gallons)	Material Held	Current Status
UST -1	6,000	Methyl Cellosolve	Removed, 1998
UST-2	4,500	CS 350 Acetone	Closed in-place, 1998
UST-3	4,500	Epoxy Resin	Closed in-place, 1999
UST-4	6,000	CS 350 Acetone	Closed in-place, 1999
UST-5	4,000	Gasoline	Removed, date uncertain.
UST-6	12,000	Fuel Oil	Closed in-place, date uncertain
UST-7	13,500	Epoxy Resin	Removed 2008
UST-8	4,000	Fuel Oil	Status unknown, approximate location from 1964 Sanborn Map
UST -9	4,000	Fuel Oil	Status unknown, approximate location from 1929 Sanborn Map
UST-10	8,000	Waste Petroleum Distillates	Removed 2008

2.2.4 Other Documented Previous Environmental Work Cited by Nobis

The Nobis Phase I ESA details the completion of several other investigations, which were completed outside the Brownfields due diligence process, likely as part of a previous effort to sell the Site. Documented previous works include the following:

1. A January 12, 1999 Underground Storage Tank (UST) Closure Report UST-1 prepared by Les A. Cartier and Associates, Inc.
2. A July 15, 1999 UST Closure Report UST-2, UST-3 and UST-4 prepared by Environmental Science & Engineering (ESE).
3. A 2005 Phase I Environmental Site Assessment and Limited Compliance Review prepared by Delta Consultants.
4. An April 10, 2008 Phase II Environmental Site Assessment prepared by Delta Consultants.
5. An October 15, 2008 UST Closure Report UST-7 and UST-10 prepared Delta Consultants.

The conditions identified by Nobis in **Section 2.2** cumulatively considered all the above referenced previous investigations. Credere also reviewed and considered this cumulative work as a part of the development of the SSQAPP for the Site.

2.3 POTENTIAL FUTURE SITE USE

The City of Franklin has partnered with LRPC to assess the Site so that the City can redevelop the Site into a new Water Department Building.

3. PHASE II SCOPE OF WORK

Credere performed this Phase II ESA to assess the Site considering the anticipated re-use scenario and the identified environmental conditions noted in **Section 2**. 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. Ground Penetrating Radar (GPR) survey of the Site to identify subsurface features
2. Four (4) surficial soil samples were collected to and submitted for off-site laboratory analysis.
3. Thirteen (13) test pits were excavated at the Site and subsurface soil samples from twelve (12) test pits were collected and submitted for off-site laboratory analysis.
4. Five (5) soil borings were advanced at the Site and subsurface soil samples were collected and submitted for off-site laboratory analysis.
5. Three of the soil borings were completed as monitoring wells (CA-1, CA-2, and CA-3), and groundwater was collected from the new monitoring wells and existing monitoring well MW-2, and submitted for off-site laboratory analysis.
6. Building material/debris samples were collected from the former building foundation slab and from a demolition debris pile at the Site and submitted for off-site laboratory analysis.

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

4. PHASE II FIELD ACTIVITIES

This sampling program was developed to confirm or dismiss the RECs identified during the Phase I ESA (see SSQAPP Addendum in **Appendix A**) and other potential environmental conditions identified by Credere. All soil, groundwater, and potential PCB-containing building material samples collected by Credere for laboratory analysis were submitted to Absolute Resource Associates of Portsmouth, New Hampshire for analysis. Soil gas samples collected by Credere for laboratory analysis were submitted to Alpha Analytical of Mansfield, Massachusetts. Potential asbestos-containing building materials were submitted to EMSL Analytical, Inc. of Woburn, Massachusetts. 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 building, pertinent Site features, and sample locations.

4.1 GROUND PENETRATING RADAR SURVEY

On June 28, 2011, Credere oversaw a GPR survey of the Site by DigSmart of Maine (DigSmart) to identify subsurface features at the Site potentially associated with environmental conditions at the Site. DigSmart scanned the subsurface with a GPR by walking in continuous and consecutive north-south transects over the areas of the Site associated with RECs (see **Appendix A**). The GPR technician located the lateral extent of subsurface anomalies in areas of concern at the Site. The location of subsurface anomalies was marked on the surface in pink spray paint.

4.2 SURFICIAL SOIL INVESTIGATION

On June 28 and July 5, 2011, Credere collected three (3) surficial soil samples (CA-SS-1, CA-SS-2, and CA-SS-3) to assess possible impacts to the surface from former railroad activities at the Site. The locations of these samples at the Site are depicted on **Figure 2**. The collected samples were submitted for off-site laboratory analysis of PAHs.

All surficial soil samples were collected from 0 to 2 feet below ground surface (bgs) in accordance with standard operating procedures (SOPs) HWRB-11, HWRB-12, HWRB-15, DR#024, DR#025, and Credere-004. Any visible organic debris and/or grass or degraded asphalt was removed from samples prior to placement in laboratory glassware.

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 10.6 electron volt (eV) photoionization detector (PID) calibrated to a 100 parts per million by volume (ppm_v) isobutylene standard with the instrument response factor set to 1.0. Surficial soil samples were also screened for RCRA 8 metals with an Innov-X X-ray fluorescence (XRF) meter.

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 TEST PIT INVESTIGATION

On June 28, 2011, Credere oversaw test pit investigation activities which were performed by J.A. Eaton Inspection Services, Inc. of Windham, Maine to assess RECs identified in the previous Phase I ESA and to investigate subsurface anomalies identified during the GPR survey. Please note that six (6) test pits were previously excavated part of a 2008 investigation by Delta Consultants (TP-1 to TP-6). Test pits TP-1 and TP -2 were located off of the Site in the adjacent parking area to the south of the Site. Test pits TP-3 to TP-6 were located on the Site, and are depicted on **Figure 2**. Thirteen (13) test pits were excavated by Credere during this Phase II ESA work, and are identified as CA-TP-7, CA-TP-7A, and CA-TP-8 through CA-TP-18. Soil samples were continuously collected from each test pit. Each collected soil sample was logged and visual and/or olfactory screened for evidence of contamination and was then screened for VOCs with PID and for metals using an XRF as described in **Section 4.2**.

The rational for each test pit and soil samples submitted for laboratory analysis are provided below. The locations of each test pit are described in **Table 1** and are also depicted on **Figure 2**. Copies of test pit logs are included as **Appendix C.**

CA-TP-7
Test pit CA-TP-7 was excavated along the western side of a closed-in-place UST, believed to be UST-6, which is a 12,000-gallon former fuel oil UST. The top of the UST was located at 4 feet bgs. A ductile iron pipe was located parallel to the UST at 8 feet bgs, which prevented the advancement of the test pit past this depth. No soil sample was submitted for laboratory analysis from this test pit, and a second test pit was excavated to assess soil near the bottom of the UST.

CA-TP-7A
Test pit CA-TP-7A was advanced along the southern side of the closed-in-place UST believed to be UST-6, which is a 12,000-gallon former fuel-oil UST. The top of the UST was located at 4 feet bgs and the bottom of the UST was located at approximately 11 feet bgs. Samples from deeper than 12 feet bgs were collected using a split-spoon sampler driven from a drill rig because this depth was beyond the capacity of the excavator used at the Site (see **Section 4.5**). The 10 to 12 foot bgs soil sample was submitted for laboratory analysis of NHDES *Petroleum and Hazardous Waste Full List of Analytes for Volatile Organics* (NHDES Full List VOCs), total petroleum hydrocarbons (TPH), lead, and PAHs because this sample was just below and adjacent to the bottom of UST-6.

CA-TP-8
Test pit CA-TP-8 was excavated west of the former building in the area where a reported 4,000-gallon fuel oil UST (identified as UST-8) was shown on a historical Sanborn Map. No evidence of a UST was identified in this test pit. No evidence of contamination was observed in this test pit, although the upper 4.5 feet of material was comprised of

building demolition debris, consisting of mostly crushed concrete block, and an older asphalt paving layer was encountered at 4.5 feet bgs. The material beneath the asphalt layer was composed of sand with some gravel. The 6 to 8 foot bgs soil sample was submitted for laboratory analysis of NHDES Full List VOCs, TPH, and PAHs because this was perceived to be the intersection of fill materials and native material.

CA-TP-9

Test pit CA-TP-9 was excavated beneath the northern end of the building slab where a reported 4,000-gallon fuel oil UST (identified as UST-9) is shown on a historical Sanborn Map. No evidence of a UST was identified during the GPR survey or in this test pit. The test pit location was between a patch in the concrete slab and an area of GPR anomalies beneath the slab. Tannery waste in the form of hides was observed from 2 to 4 feet bgs. Asphalt pieces were encountered at approximately 8 feet bgs. The 6 foot bgs soil sample was submitted for laboratory analysis of NHDES Full List VOCs, TPH, and PAHs because this was immediately beneath the buried tannery waste.

CA-TP-10

Test pit CA-TP-10 was excavated west of the former building in the area where a reported 4,000-gallon fuel oil UST (identified as UST-8) was shown on a historical Sanborn Map. No evidence of a UST was identified in this test pit. No evidence of contamination was observed in this test pit, although the upper 4.5 feet of material was comprised of building demolition debris, consisting of mostly crushed concrete block. An older asphalt paving layer was present at 4.5 feet bgs. The material beneath the asphalt layer was composed of sand with some gravel. The 0 to 2 foot bgs soil sample was submitted for laboratory analysis of NHDES Full List VOCs and total Pb because of elevated metals detected during XRF field screening.

CA-TP-11

Test pit CA-TP-11 was excavated west of the former building in the area where a reported 4,000-gallon fuel oil UST (identified as UST-8) was shown on a historical Sanborn Map. No evidence of a UST was identified in this test pit. No evidence of contamination was observed in this test pit, although the upper 3 feet of material was comprised of building demolition debris, consisting of mostly crushed concrete block, and an older asphalt paving layer was present at 3 feet bgs. The 6.5 to 9 foot bgs soil sample was submitted for laboratory analysis of NHDES Full List VOCs and total Pb because of elevated metals detected during XRF field screening.

CA-TP-12

Test pit CA-TP-12 was advanced west of the former building in the suspected location of a former fuel dispenser. A concrete sump extended to 2 feet bgs. A soil sample collected from 3 foot bgs was submitted for laboratory analysis of NHDES Full List VOCs and total Pb because petroleum staining was observed at this depth.

CA-TP-13
Test pit CA-TP-13 was excavated east of the former building in a location where the GPR survey indicated possible waste fill materials. Tannery waste in the form of hides was observed from 4 to 5 feet bgs. However, the 2 to 4 foot bgs soil sample was submitted for laboratory analysis of NHDES Full List VOCs, RCRA 8 metals, PAHs, and PCBs because this sample was in contact with the buried tannery waste and elevated chromium (Cr) was noted in this sample during XRF field screening.

CA-TP-14
Test pit CA-TP-14 was excavated east of the former building foundation in a location where the GPR survey indicated possible waste fill materials. Tannery waste in the form of hides was observed from 4 to 8 feet bgs. The 6 to 8 foot bgs soil sample was submitted for laboratory analysis of NHDES Full List VOCs, RCRA 8 metals, and PAHs because this sample was in contact with the buried tannery waste and elevated chromium was noted during XRF field screening. This sample was also analyzed for hexavalent Cr (Cr VI) based on the results of total Cr analysis.

CA-TP-15
Test pit CA-TP-15 was excavated east of the former building foundation to assess possible buried tannery waste. No tannery waste was present in this test pit. The 5 to 7 foot bgs soil sample was submitted for laboratory analysis of NHDES Full List VOCs, RCRA 8 metals, and PAHs because of the presence of wastes at this depth in test pit CA-TP-14.

CA-TP-16
Test pit CA-TP-16 was excavated west of the former building foundation to assess possible buried tannery waste. No tannery waste was present in this test pit. However, sand and gravel fill was observed in the 0 to 2 foot bgs interval, and native material was observed below this interval. Therefore, the 0 to 2 foot bgs soil sample was submitted for laboratory analysis of NHDES Full List VOCs, RCRA 8 metals, and PAHs to characterize fill material that did not appear to be associated with tannery waste at the Site.

CA-TP-17
Test pit CA-TP-17 was advanced north of the former building foundation to assess possible buried tannery waste. No tannery waste was present in this test pit. However, the 4 to 7 foot bgs soil sample was submitted for laboratory analysis of NHDES Full List VOCs, RCRA 8 metals, and PAHs because of the presence of wastes at this depth in test pits CA-TP-13 and CA-TP-14.

CA-TP-18
Test pit CA-TP-18 was excavated north of the former building foundation to assess possible buried tannery waste. No tannery waste was present in this test pit. The 3 to 5

foot bgs soil sample was submitted for laboratory analysis of NHDES Full List VOCs, RCRA 8 metals, and PAHs because of the presence of wastes at this depth in test pits CA-TP-13 and CA-TP-14.

4.4 SUB-SLAB SOIL GAS INVESTIGATION

On June 28, 2011, Credere installed eleven (11) soil gas collection points beneath the concrete slab of the former Site building. Five (5) soil gas collection points (CA-SG-1 to CA-SG-5) were installed beneath the northern end of the slab to assess a suspected former UST (REC-3), and six (6) soil gas collection points (CA-SG-6 to CA-SG-11) were installed beneath the southern end of the slab to assess previously observed organic vapor odors (REC-8) in this area.

A 0.5-inch diameter hole was drilled through the slab and underlying sub-base material in each sampling location. A steel soil gas/pore-water probe was then installed in the drilled hole to a depth of 6 inches beneath the slab bottom. The annulus around the sampler was then sealed with activated bentonite clay and the probe was allowed to equilibrate for one hour. At this time, the internal rod was removed from the soil gas/pore-water sampler and the soil gas was field screened with a ppbRAE Plus PID, which is a low level PID capable of measuring VOCs in air below 1 ppm_v. The PID was connected to the sampler using low-density polyethylene (LDPE) tubing and calibrated to a 10 parts per million by volume (ppm_v) isobutylene standard with the instrument response factor set to 1.0.

One location from each area (CA-SG-1 to CA-SG-5 and CA-SG-6 to CA-SG-11) with the highest field screening VOC concentration was then sampled for laboratory analysis for VOCs using a vacuum sealed Summa canister connected to the sampler using LDPE tubing with an elapsed sampling time of one hour. The Summa canisters were then submitted for laboratory analysis of Toxic Organic Compounds in Ambient Air by EPA Method TO-15.

4.5 SOIL BORING AND MONITORING WELL INSTALLATION

Five (5) soil borings (CA-1 through CA-5) were advanced at the Site on June 29, 2011. Soil boring locations are depicted on **Figure 2**. T&K Well Drilling, a licensed NH well driller, from Troy, NH was retained by Credere and performed the drilling activities. Credere was onsite during the work to provide oversight of the drilling and well installation and to collect soil samples for field screening and laboratory analysis.

Soil borings were advanced using a truck-mounted hollow stem auger drill rig. Soil samples were continuously collected and logged using split-spoon soil sampling. Borings CA-4 and CA-5 were advanced to 10 feet bgs before sampling to assess the soils adjacent to the bottom of the former press pits. Each collected soil sample was field logged and then screened for VOCs with a PID and for metals using an XRF as described in **Section 4.2**.

Monitoring wells were installed in soil boring locations CA-1, CA-2, and CA-3. Each monitoring well was completed with two-inch diameter PVC pipe and 0.010-inch wide slotted PVC screen. 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 five days prior to sampling. **Table 1** is a summary of the exploration methods used at each location including the media that was sampled. Field screening results are included in **Table 2** and **Table 3**. Copies of soil boring logs are included as **Appendix D.**

The rationale for the location of each soil boring and the soil sample submitted for laboratory analyses is provided below:

CA-1

Soil boring CA-1 was advanced to a depth of 35 feet bgs in the location of soil gas sampling point CA-SG-2, which had the highest VOC concentration observed during field screening of sub-slab soil gas sampling from locations CA-SG-1 to CA-SG-5. These soil gas sampling points were positioned in an area where a former UST (UST-9) was believed to have been located. The 26 to 28-foot bgs soil sample was submitted for laboratory analysis of NHDES Full List VOCs, TPH, and PAHs because the water table was present within this depth interval, and although an aromatic odor was observed throughout the entire boring depth during advancement of the boring, no PID field screening evidence of contamination was observed during drilling at this location.

Soil boring CA-1 was completed as a monitoring well, screened from 25 to 35 feet bgs to intersect the water table.

CA-2

Soil boring CA-2 was advanced to a depth of 35 feet bgs in an area east of the former Site building where buried tannery waste was observed during test pitting and near existing well MW-2 (the location where a sheen was observed on groundwater in 2008). CA-2 was originally planned to be located downgradient of the suspected septic tank, but the boring/well was moved to generally assess the groundwater flow from the rest of the site when it was discovered that the suspect septic tank was actually part of the Franklin sewer system. The 6 to 8-foot bgs soil sample was submitted for laboratory analysis of NHDES Full List VOCs and RCRA 8 metals plus Cu, Ni, and Zn because VOCs and elevated Cr indicative of tannery waste were detected in this interval during field screening.

Soil boring CA-2 was completed as a monitoring well, screened from 25 to 35 feet bgs to intersect the water table.

CA-3

Soil boring CA-3 was advanced to a depth of 35 feet bgs in the location of soil gas sampling point CA-SG-10, which had the highest VOC concentration observed during field screening of sub-slab soil gas sampling from locations CA-SG-6 to CA-SG-11. These soil gas sampling points were positioned in an area where organic odors had previously been observed emanating from a pipe during the Phase I ESA (REC-8). The 2 to 4-foot bgs soil sample was submitted for laboratory analysis of NHDES Full List VOCs and RCRA 8 metals plus Cu, Ni, and Zn. This sample interval was selected because Cr, Pb, and Hg were identified in the sample during XRF field screening at concentrations which may exceed the NHDES SRS.

Soil boring CA-3 was completed as a monitoring well, and was screened from 25 to 35 feet bgs to intersect the water table.

CA-4 and CA-5

Soil borings CA-4 and CA-5 were advanced immediately adjacent to the former press pits located within the former building footprint. One attempt was made to advance CA-5 within one of the former press pits, which are now filled with demolition debris. However, the bottom of the press pit, located at 10 feet bgs, is composed of reinforced concrete and prevented full penetration of the augers (i.e. refusal). The locations of CA-4 and CA-5 were then moved to be immediately adjacent to the press pits on the downgradient (east) side, and borings were advanced to 10 feet bgs before beginning sampling.

CA-4 and CA-5 were advanced to 10 feet bgs, and then samples were collected continuously from 10 to 14 feet bgs. An aromatic odor was observed in both borings that was similar to the odor observed in boring CA-1; however, no evidence of contamination was identified with PID field screening. The 10 to 12 foot bgs soil sample from CA-4 and the 12 to 14 foot bgs soil sample from CA-5 were submitted for laboratory analysis of NHDES Full List VOCs, TPH, RCRA 8 metals plus Cu, Ni, and Zn, SVOCs, and PCBs to assess soil adjacent to the bottom of the press pits.

CA-TP-7A (Soil Boring Portion)

Samples from 10 to 16 feet bgs from test Pit CA-TP-7A were collected using a split-spoon sampler driven from a drill rig because this depth was beyond the capacity of the excavator used at the Site. The 10 to 12 foot bgs soil sample was submitted for laboratory analysis of NHDES *Petroleum and Hazardous Waste Full List of Analytes for Volatile Organics* (NHDES Full List VOCs), total petroleum hydrocarbons (TPH), total lead (Pb), and polycyclic aromatic hydrocarbons (PAHs) because this sample was adjacent to the end of the tank bottom.

4.6 GROUNDWATER SAMPLING

Credere returned to the Site on July 5, 2011, to sample the newly installed monitoring wells and previously installed monitoring well MW-2.

Each of the new monitoring wells was surveyed for location and relative groundwater elevations were measured for the new monitoring wells and existing monitoring well MW-2. Based on the results of the survey and measured groundwater elevations, a model of groundwater flow was interpolated**.**

Depth to groundwater at the Site at the date of sampling was approximately 27 feet bgs, which is at the practical suction limits of Credere's low-flow peristaltic pump. Credere therefore opted to deviate from the EPA-approved SSQAPP and collect groundwater by purging the wells with a submersible pump. Samples were then collected with a single use bailer in accordance with NHDES Standard Operating Procedures (HWRB-2, HWRB-4 and HWRB-6) included in Credere's NHDES/EPA approved generic NH QAPP.

A minimum of three well volumes of groundwater were pumped from each well prior to using the bailer for collecting samples. Field measurements were collected for temperature, pH, conductivity, oxidation-reduction potential, and turbidity at approximate 5-minute intervals.

Because bailers were used to sample the wells, Credere did not have the proper equipment to field filter the samples for metals from CA-2 and CA-3. Credere therefore opted to collect unfiltered samples in the HNO_3-preserved laboratory HDPE bottles. These samples were therefore *total* metals, which was a deviation from the specification for *dissolved* metals that was included in the EPA approved SSQAPP. Results revealed that chromium Cr and Pb were present in the CA-2 sample in excess of their Ambient Groundwater Quality Standards (AGQS). As a result, Credere then returned to the Site on July 14, 2011 and re-sampled well CA-2. The collected sample was filtered in the field through a 0.2 micron filter, and the collected sample was submitted for laboratory analysis of *dissolved* RCRA 8 metals. Groundwater sampling logs are included in **Appendix E**, and groundwater and monitoring well elevation field data are included as **Table 4**.

All collected groundwater samples were submitted to ARA for laboratory analysis. Groundwater sample from location CA-1 was analyzed for NHDES Full List VOCs. The initial sample from location CA-2 was analyzed for NHDES Full List VOCs, SVOCs, and *total* RCRA 8 metals plus Cu, Ni, and Zn. A second sample from CA-2 was analyzed for dissolved RCRA 8 metals. The groundwater sample collected from CA-3 was analyzed for NHDES Full List VOCs and total RCRA 8 metals. The groundwater sample collected from MW-2 was analyzed for NHDES Full List VOCs and total Pb.

4.7 BUILDING MATERIAL DEBRIS SAMPLING

4.7.1 Potential Asbestos Containing Materials

On June 28, 2011, NH-certified Asbestos Inspector Judd Newcomb (Certification # AI 000383) of Credere inventoried suspect asbestos-containing material (ACM) bulk products in building demolition debris and on the former building foundation at the Site. Credere identified four (4) potential ACMs and collected three (3) samples of each material for laboratory analysis for asbestos in accordance with NHDES Env-A 1800. Samples were submitted to EMSL of Woburn, Massachusetts for analysis. Copies of generated laboratory reports are included as **Appendix F**.

The following is a description of the collected potential ACM-containing bulk product samples:

- Potential ACM bulk product sample D-1 was collected from light blue 12 inch-square floor tiles remaining on the former building slab.
- Potential ACM bulk product sample D-2 was collected from white speckled floor tile remaining on the former building slab.
- Potential ACM bulk product sample D-3 was collected from gray floor tile remaining on the former building slab.
- Potential ACM bulk product sample D-4 was collected from off-white floor tile pieces in the debris pile located on the southern end of the former building slab.

4.7.2 Potential PCB-Containing Materials

On June 28, 2011, Credere inventoried suspect PCB-containing bulk products in building demolition debris and on the building foundation at the Site. Examples of suspect products typically include, but are not limited to, paint, caulking, sealants, grout, mastic, glazing, insulation, transformers, capacitors, electrical equipment, used motor/hydraulic oil, fluorescent light ballasts, cable insulation, thermal insulation, adhesives and tapes, plastics, carbonless copy paper, floor finishes, gaskets, ceiling tile coatings, flooring sealants, roofing materials, and siding materials. Consistent with this inventory and the results of previous investigations at similar sites, Credere identified and sampled one (1) potentially PCB-containing bulk product. The collected material was a blue floor coating (sample D-Floor Covering) that was noted coating a portion of the former building foundation. This sample was submitted to ARA for analysis of PCBs.

Additionally, Credere collected a soil sample for an electrical pit (identified as Transformer Pit) and two concrete samples (CA-CC-1 and CA-CC-2) from oil-stained concrete in an area where a transformer may have been located which may have been impacted by possible PCB-containing dielectric fluid released from a former transformer.

5. SUMMARY OF REGULATORY STANDARDS

As a part of this Phase II ESA, Credere collected soil, groundwater, soil gas and building material samples to confirm or dismiss the presence of contaminants associated with the RECs and other potential environmental concerns identified at the Site, and to assess the potential for future risk which may result during anticipated redevelopment. Sample results were compared to the applicable state and federal standards and guidelines 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.

5.2 GROUNDWATER

Concentrations in groundwater samples were compared to New Hampshire's Ambient Groundwater Quality Standards (AGQS) detailed in NHDES Env-Or 600 Contaminated Site Management.

5.3 SOIL GAS

Concentrations of VOCs in sub-slab soil gas were compared to the NHDES Vapor Intrusion Screening Levels for Commercial Soil Gas and the Vapor Intrusion Mitigation Decision Criteria, both updated July 2011. Analytes in soil gas without screening levels were considered to be unregulated.

5.4 POTENTIAL ASBESTOS-CONTAINING MATERIALS

Concentrations of asbestos in building material and debris samples were compared to the limit of 1% by weight detailed in NHDES Env-A 1800 Asbestos Management and Control.

5.5 POTENTIAL PCB-CONTAINING MATERIALS

Bulk products that contain concentrations of total PCBs equal to or in excess of 50 mg/kg 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 mg/kg but less than 50 mg/kg (and not as a 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 mg/kg 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 mg/kg 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 in accordance with 40 CFR 761.61 or 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 mg/kg 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 SITE GEOLOGY

6.1.1 Surficial Geology

During the advancement of soil borings for the current and previous Phase II ESA work, the native surficial geology of the Site was observed to consist of sand deposits with some gravel. Areas of the northern and eastern portions of the Site were observed to contain up to 8 feet or more of fill material, some of which included thin layers of tannery waste in the form of scrap hides (see **Figure 7**).

6.1.2 Bedrock Geology

No bedrock was encountered at the Site during test pit or soil boring activities. According to the Generalized Bedrock Geologic Map of New Hampshire compiled by the United States Geological Survey, the Site is underlain primarily by aluminous schist, calc-silicate granofels, and bimodal metavolcanic rocks of Silurian age.

6.1.3 Site Hydrogeology

Groundwater elevations are based on water levels recorded on July 5, 2011, and are depicted relative to the elevation of the top of monitoring well MW-2 of 334.89 feet based on the elevation of this well used in previous investigations of the Site.

The data show that the groundwater gradient at the time of sampling was almost flat across the Site, with a slight hydraulic gradient of approximately 0.0008 ft/ft, flowing to the northeast towards the Pemigwasset River (**Figure 6**). Please note that the gradient and flow direction were calculated from a limited number of wells. Additional wells may be needed to confirm the predominant groundwater flow direction.

6.2 GROUND PENETRATING RADAR RESULTS

DigSmart identified a potential UST west of the former building foundation. DigSmart also identified subsurface anomalies on the northern and eastern sides of the former building and beneath the northern portion of the foundation slab. These locations were investigated during test pitting activities at the Site.

6.3 SURFICIAL SOIL SAMPLE RESULTS

No visual and/or olfactory evidence of contamination was observed in the field in any of the surficial soil samples collected at the Site. PID readings were non-detect for all surficial soil samples collected. XRF field screening detected Cr in sample CA-SS-2 at a concentration that exceeded the applicable NHDES SRS. No concentrations of any other RCRA 8 metals were detected in surficial soil samples exceeding the applicable NHDES SRS. Surficial soil sample field screening results are summarized in **Table 2** and **Table 3**.

Laboratory analyzed surficial soil sample CA-SS-3 contained the PAH benzo[a]pyrene at a concentration (0.71 mg/kg) which exceeded the applicable NHDES SRS of 0.70 mg/kg. Results for surficial soil samples CA-SS-1 and CA-SS-2 indicated that these samples contained no PAHs above practical quantitation limits (PQLs). Surficial soil sample laboratory results are summarized in **Table 5**. Locations where NHDES SRS were exceeded are depicted on **Figure 4**.

6.4 TEST PIT SAMPLE RESULTS

Thirteen (13) test pits were excavated by Credere during this Phase II ESA work (CA-TP-7, CA-TP-7A, and CA-TP-8 to CA-TP-18. Test Pits TP-1 to TP-6 were previously completed by others. Test pits TP-1 and TP-2 were reportedly located off of the Site in the adjacent paved parking lot on Tannery Street.

Tannery waste in the form of thin layers of hides were observed in test pits CA-TP-9 (2 to 6 feet bgs), CA-TP-13 (4 to 5 feet bgs), and CA-TP-14 (4 to 8 feet bgs). No other visual and/or olfactory evidence of contamination was observed in the field in any of the test pit soil samples collected at the Site. PID readings ranged from non-detect to 2.4 ppm_v for all test pit soil samples collected.

XRF field screening indicated that Cr was present at concentrations exceeding the applicable NHDES SRS of 130 mg/kg for Cr VI in test pits CA-TP-8 (6 to 8 feet bgs), CA-TP-9 (0 to 4 feet bgs), CA-TP-13 (2 to 4 feet bgs), and CA-TP-14 (6 to 8 feet bgs). XRF field screening also indicated that arsenic (As) was present at concentrations exceeding the applicable NHDES SRS of 11 mg/kg in test pits CA-TP-8 (0 to 4 feet bgs), CA-TP-10 (0 to 4 feet bgs), and CA-TP-11 (0 to 2 and 4.5 to 6.5 feet bgs). Test Pit soil sample field screening results are summarized in **Table 2** and **Table 3**.

The laboratory analytical sample collected from test pit CA-TP-14 at 6 to 8 feet bgs contained total Cr at a concentration (260 mg/kg) which exceeded the NHDES SRS of 130 mg/kg for Cr VI. This sample was then analyzed for Cr VI, and was found to contain a concentration of Cr VI (4.5 mg/kg) that was below the applicable NHDES SRS. This indicates that only 1.7% of the Cr in this sample was in the Cr VI state. Therefore, no exceedance of the applicable NHDES SRS was identified.

The laboratory analytical sample collected from test pit CA-TP-15 at 5 to 7 feet bgs contained the PAHs benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene at concentrations which exceeded their applicable NHDES SRS.

No other soil samples from the Site test pits exceeded applicable NHDES SRS for any of the laboratory analyzed parameters. Test pit soil sample laboratory analytical results are summarized in **Table 5**. Locations where NHDES SRS were exceeded are depicted on **Figure 4**.

6.5 SUB-SLAB SOIL GAS SAMPLE RESULTS

No VOCs in soil gas exceeded the applicable vapor intrusion guidelines for commercial soil gas in samples collected from the Site during this Phase II ESA. Soil gas laboratory results are summarized on **Table 7**.

6.6 SOIL BORING SAMPLE RESULTS

As indicated previously, an aromatic odor was observed in all soil samples collected from soil boring CA-1, CA-4, and CA-5. However, no other visual and/or olfactory evidence of contamination was observed in the field in any of the soil boring soil samples collected at the Site. PID readings ranged from non-detect to 10.2 ppm_v for all boring soil samples collected.

XRF field screening indicated that Cr was present at concentrations exceeding the applicable NHDES SRS of 130 mg/kg for Cr VI in soil borings CA-1 (2 to 4 feet bgs), CA-2 (0 to 2 and 6 to 8 feet bgs), and CA-3 (0 to 18, 20 to 28, and 30 to 32 feet bgs). XRF field screening also indicated that Hg was present at concentrations exceeding the applicable NHDES SRS of 6 mg/kg in soil boring CA-3 (0 to 20 and 22 to 32 feet bgs). XRF field screening also indicated that Pb was present at concentrations exceeding the applicable NHDES SRS of 400 mg/kg in soil boring CA-3 (2 to 4 feet bgs). Soil boring sample field screening results are summarized in **Table 2** and **Table 3**.

In contrast to the field screening results, laboratory results for soil samples collected from locations CA-1, CA-2, CA-3, CA-4, and CA-5 contained no contaminants exceeding the applicable NHDES SRS. Soil boring sample laboratory results are summarized on **Table 5**.

6.7 GROUNDWATER SAMPLE RESULTS

Groundwater from well CA-2 was observed to have a petroleum odor during the two times it was sampled (July 5 and 14, 2011). 1,2,4-trimethylbenzene was quantified at 710 µg/L in the groundwater sample collected from monitoring well CA-2 on July 5, 2011 exceeding the applicable NHDES AGQS of 330 µg/L.

Concentrations of *total* Cr and Pb exceeding their respective NHDES AGQS were quantified in the groundwater sample collected from monitoring well CA-2 on July 5, 2011; however concentrations of *dissolved* Cr and Pb collected on July 14, 2011 were below the applicable NHDES AGQS. Therefore, no exceedances of the applicable NHDES AGQS for Cr and Pb were identified.

No other analytes exceeded their applicable NHDES AGQS in groundwater samples collected from the Site during this Phase II ESA. Groundwater sample laboratory results are summarized on **Table 8**.

6.8 BUILDING MATERIAL/DEBRIS RESULTS

6.8.1 Potential Asbestos Containing Material

Light blue 12-inch square floor tiles (Bulk product sample D-1) remaining on the former building slab were found to be ACM (containing 5% chrysotile). These floor tiles are present in one area of the former building floor slab (see **Figure 4**). These tiles are in a highly degraded state. No other samples were analyzed to be ACM. Building material laboratory results are summarized on **Table 6**. The laboratory analytical report is included in **Appendix F**.

6.8.2 Potential PCB-Containing Material

The blue floor coating (sample D-Floor Covering) that covers much of the northern portion of the former building foundation was found to contain no PCBs above the laboratory practical quantitation limit (PQL).

Soil from the electrical pit ("Transformer Pit") and two concrete samples (CA-CC-1 and CA-CC-2) from oil-stained concrete in an area where a transformer may have been located were found to contain no PCBs above the laboratory PQL.

Building material laboratory results are summarized on **Table 6.** The laboratory analytical report is included in **Appendix F**.

7. QUALITY ANALYSIS/QUALITY CONTROL

The contracted laboratory, Absolute Resource Associates (ARA) of Portsmouth, New Hampshire, provided Level II analytical data according to EPA protocols, EPA 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 sample and duplicate results. Relative percent differences were calculated for soil samples where both sample and duplicate values were greater than five times (5X) the PQL of the analyte. The acceptable upper limit for RPD is 35%. The RPD is calculated as follows:

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

The following duplicate samples were collected during this Phase II ESA:

- CA-TP-DUP-1 (duplicate soil sample collected at test pit location CA-TP-14 from 6 to 8 feet bgs) and analyzed for VOCs, PAHs, and RCRA 8 metals plus Cu, Ni, and Zn.
- CA-TP-DUP-2 (duplicate soil sample collected at test pit location CA-TP-9 from 6 feet bgs) and analyzed for TPH.

Table 9 summarizes the duplicate sample results and RPDs.

The duplicate concentrations of barium in samples CA-TP-14/CA-TP-DUP-1 had a RPD of 64.7%, which exceeded the limit of 35%. However, both barium concentrations (47 and 92

mg/kg were below the NHDES SRS of 1,000 mg/kg. Therefore, Credere does not believe that this lack of precision affects the conclusions of this Phase II ESA.

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 it's 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. Specific comments from the laboratory included:

VOCs

The MLCS/D4295 did not meet the acceptance criteria for chloromethane. This compound showed high recovery. There is no impact to the data as this analyte was not detected in the associated samples. The MLCS/D4295 did not meet the acceptance criteria for dichlorodifluoromethane. The MLCSD4295 did not meet the acceptance criteria for bromomethane. The recovery was acceptable in the LCS. These compounds are known to be problematic in the method.

The MLCS/D4307 did not meet the acceptance criteria for dichlorodifluoromethane and vinyl chloride. These compounds are known to be problematic in the method.

PCBs

The relative percent difference between the LCS4305 and LCSD4305 was outside the acceptance criteria for PCB-1016 and PCB-1260. The percent recovery for these analytes in each QC parameter was within the acceptance criteria. No impact to the data suspected.

PAHs/SVOCs

The LCS/D4327 did not meet the acceptance criteria for phenol and 4-nitrophenol. These compounds are known to be problematic in the method.

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 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 laboratory 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.

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 the SSQAPP Addendum, 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 Site and to aid in changing the Site use from industrial to recreational. The following section is a description of the Conceptual Site Model (CSM), which incorporates information from this investigation.

8.1 CONTAMINANTS OF CONCERN

Based on the results of this Phase II ESA, the following COCs were identified at the Site:

- 1,2,4-trimethylbenzene in groundwater
- Benzo[a]pyrene in surficial soil
- The PAHs benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene in subsurface soil
- Asbestos in floor tiles on the former building foundation slab

8.2 SITE GEOLOGY AND HYDROGEOLOGY

The Site is located near the west bank of the Pemigewasset River in a developed area of Franklin, New Hampshire. The eastern adjoining property between the Site and river is currently undeveloped. Area topography generally slopes east towards the river. Storm water at the Site likely follows surficial topography and is directed into the river.

Soil boring and test pit data obtained from this Phase II ESA and from reports that were reviewed as a part of the Phase I ESA indicates that soil beneath the Site consists of a mixture of sand and gravel with some areas of fill material that includes tannery waste (hides) on the east side of the Site. The water table was identified at approximately 28 feet bgs.

8.3 DEFINITIONS OF EXPOSURE PATHWAYS AND POTENTIAL RECEPTORS

To aid in a thorough understanding of the environmental concerns present at the Site, a graphical presentation of the identified COCs and potential migration pathways to receptors is included as **Figure 8**. Exposure Pathways and Potential Receptors depicted on the CSM are defined as follows.

Exposure Pathways describe how a human or environmental receptor comes into contact with contaminants which may be present at the Site. 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. This pathway is applicable when receptors may inhale impacted media in the form of vapor.

- 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 Uptake: This pathway is applicable when receptors may incidentally ingest or inhale impacted media in the form of dust or airborne particulates.

Potential Receptors are categorized by duration of exposure and intensity of use at the Site. The receptor categories for this project described in the CSM include the following:

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

- Site Worker: Site workers are present at the Site 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.

Please note that the Site is not anticipated to be used for residential purposes. Therefore, residential receptors are not evaluated as part of this CSM.

Based on known history of the Site, the identified COCs may have been released to the environment through surficial and subsurface releases associated with previous industrial usage, filling with tannery waste, the degradation of hazardous building materials, and previous bulk petroleum storage. Primary impacted media at the Site include surficial soil, subsurface soil, and groundwater.

The PAH benzo[a]pyrene in surficial soil and asbestos in exposed floor tiles may migrate through aeolian dispersion and impact on-site or off-site receptors. Both asbestos and PAHs have low propensity to leach and are unlikely to affect subsurface conditions through infiltration and leaching. Potential receptors identified for the Site include future commercial workers, site workers (i.e. construction workers, etc.), and visitors, as well as terrestrial biota. Potential exposure pathways for these human receptors to PAHs or asbestos include incidental uptake (including inhalation). Receptors may also be exposed to PAHs via dermal absorption.

The PAHs in subsurface soil are unlikely to migrate unless disturbed during future Site work. Human receptors identified for the Site include future site workers (i.e. construction workers, etc.) who could be exposed via dermal absorption or incidental ingestion (including inhalation).

The 1,2,4-trimethylbenzene identified in groundwater at the Site has likely leached and infiltrated from an upgradient on-site subsurface soil source area. This potential source area was not defined by this Phase II ESA. Human receptors identified for the Site include future site workers (i.e. construction workers, etc.) who could be exposed via dermal absorption or incidental ingestion (including inhalation).

9. DEVIATIONS

The following deviations were made from the SSQAPP Addendum (see **Appendix A**) during the course of the investigation:

1. Soil boring CA-2 and test pit CA-TP-13 were moved from their proposed locations in the SSQAPP. These sampling locations were proposed to assess a possible septic tank which was suspected of discharging to the adjacent Pemigwasset River. Based on field observations and information obtained from City of Franklin public works employee, it was determined that this tank was connected to the City sanitary sewer system. Based on this information, Credere determined that this tank did not require assessment, and soil boring CA-2 and test pit CA-TP-13 were moved approximately 30 to 40 feet to the southwest to assess possible buried tannery waste.

2. Soil borings CA-4 and CA-5 were not installed through the bottoms of the former press pits, because the drill rig augers could not penetrate the reinforced concrete at the bottom. Instead, these soil borings were moved several feet to the east and were advanced immediately adjacent to the sidewalls of the press pits.

3. Due to the depth to groundwater at the Site, Credere did not have the proper equipment to field filter metals samples from CA-2 and CA-3 when they were first sampled on July 5, 2011. Credere therefore opted to collect unfiltered samples in the HNO_3-preserved laboratory HDPE bottles. These samples therefore represented *total* metals samples which deviated from the specification in Credere's NHDES and EPA approved SSQAPP. The SSQAPP called for the collection of samples for *dissolved* metals. To meet the SSQAPP requirement, Credere returned to the Site on July 14, 2011 and re-sampled monitoring well CA-2, and the sample was field filtered prior to placing it in appropriate glassware. It is worth noting that monitoring well CA-3 was not re-sampled because no contaminants were detected above AGQS in this well.

10. DATA GAPS

The source of gasoline contamination of groundwater detected at monitoring well CA-2 has not been identified, and the extent of groundwater contamination has not been fully delineated. No other data gaps have been identified for the Site.

11. CONCLUSIONS

Our conclusions in relation to the identified RECs and other environmental concerns, and the investigation results are presented below:

11.1 RECOGNIZED ENVIRONMENTAL CONDITIONS

- REC-1, which was associated the presence of a 12,000-gallon fuel oil underground storage tank (UST) (identified as UST-6) that was closed-in-place in the vicinity of the loading dock, is dismissed because no evidence of contamination was identified in soil samples collected from the sides and adjacent to the bottom of the closed-in-place UST in test pits CA-TP-7 and CA-TP-7A. In addition, observations made by Credere indicated that this UST was filled with clean sand at the time of closure-in-place.
- REC-2, which was associated with the potential presence of a reported 4,000-gallon fuel oil UST (identified as UST-8) shown on a historical Sanborn Map, is dismissed because no UST was identified in this location during the GPR survey and no evidence of contamination exceeding applicable standards was identified in test pits CA-TP-8, CA-TP-10, or CA-TP-11.
- REC-3, which was associated with the potential presence of a reported 4,000-gallon fuel oil UST (identified as UST-9) shown on a historical Sanborn Map, is dismissed because no UST was identified in this location during the GPR survey, and no evidence of contamination was identified in test pit CA-TP-9 or in soil gas sample locations CA-SG-1 through CA-SG-5, which were completed to evaluate this REC.
- REC-4, which was associated with a former fuel dispenser and a number of filling caps formerly located in the vicinity of the closed-in-place UST-6, is dismissed because no evidence of contamination exceeding applicable standards was identified is soil samples collected from test pit CA-TP-12, which was advanced in the suspected location a former fuel dispenser.
- REC-5, which was associated with the presence of a sheen of degraded gasoline previously noted in 2008 in existing monitoring well MW-2, is confirmed, because groundwater from a newly installed monitoring well (CA-2) located 30 feet southwest of MW-2 contained 1,2,4-trimethylbenzene at a concentration exceeding the applicable NHDES Ambient Groundwater Quality Standard (AGQS), suggesting that a plume of degraded gasoline is present beneath the Site.
- REC-6, which was associated with a subsurface structure identified during a previous GPR survey east of the former building and believed to be a former concrete septic tank, is dismissed because this structure was determined to be a part of the municipal sewer system and not a septic tank, and therefore does not represent a pathway to the subsurface environment.

- REC-7, which was associated with the presence of buried waste related to the previous usage of the Site as a tannery, is dismissed. While evidence of buried waste was observed in the form of leather hides in test pits CA-TP-9, CA-TP-13, and CA-TP-14, no evidence of contamination at concentrations exceeding applicable standards was observed in association with the buried waste. However, this condition represents a solid waste issue that should be properly managed.
- REC-8, which was associated with pipes that were previously noted emitting unknown solvent odors and elevated total volatile organic readings in the southwestern portion of the building, is dismissed, because no evidence of contamination exceeding applicable standards was identified in soil gas (soil gas sample locations CA-SG-6 through CA-SG-11), soil (boring CA-3), or in groundwater (monitoring well CA-3) samples collected from this area.
- REC-9, which was associated with former press pits located within the manufacturing slab that are stained with petroleum, is dismissed because no evidence of contamination was identified in soil samples collected from adjacent to the bottoms of the press pits (borings CA-4 and CA-5).
- REC-10, which was associated with a pile of demolition debris located on the southwestern portion of the Site, is dismissed because no potential lead-based paint or PCB-containing materials were observed in the pile, and no asbestos was identified in a floor tile sample collected from the pile.

11.2 ADDITIONAL ENVIRONMENTAL CONCERNS

The following additional environmental concerns were identified by Credere during development of the SSQAPP and assessed during this Phase II ESA:

- Potential impact associated with the former use of the Site for railroad activities is confirmed, because benzo[a]pyrene was detected above the applicable NHDES SRS in surficial soil sample CA-SS-3. Benzo[a]pyrene is a PAH which is known to be associated with railroad activities.
- The potential impact of a former electrical transformer located on the west side of the building is dismissed, because no PCBs were identified in soil collected from an electrical pit in this area of the Site. Additionally, two samples of stained concrete collected from this area of the Site contained no PCBs above laboratory practical quantification limits.
- A soil sample collected from test pit CA-TP-15 at 5 to 7 feet below ground surface (bgs) contained the PAHs benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene at concentrations which exceeded their applicable NHDES SRS. No staining was observed in this test pit nor was this sample associated with any observed buried wastes. Additionally, no PAHs

were identified in soil in contact with buried waste in test pits CA-TP-13 or CA-TP-14. Although this test pit was not in the location of or downgradient of any identified Site USTs, it is Credere's opinion that this contamination may be associated with a past petroleum release from the former UST#10, which was located approximately 40 feet away or from another unknown on-site source.

- Building material sample results indicate that blue 12-inch square floor tile remnants remaining attached to the concrete building slab are asbestos-containing material (ACM). It is not clear if any of these tiles are present in the demolition pile remaining on-site.

12. RECOMMENDATIONS

Based on observations and results of this Phase II ESA for the Site, Credere makes the following recommendations:

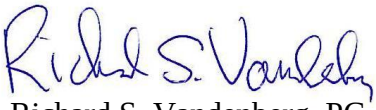
- Credere recommends that delineation of all buried solid waste at the Site be conducted, including tannery hides, other tannery wastes, and building demolition debris, per NHDES Solid Waste Rules Env-Sw 309 in support of a Pre-1981 landfill registration.
- Subsequent to the delineation of all buried solid waste at the Site, Credere recommends that the Site be registered as a Pre-1981 landfill according to NHDES Solid Waste Rules Env-Sw 309.
- Credere recommends that delineation of the identified PAH contaminated surficial soil in the areas of CA-SS-3 and CA-TP-15 be conducted. Credere recommends that a Remedial Action Plan (RAP) be developed to address the PAH contaminated soil.
- Credere recommends additional investigation to assess the full extent and magnitude of degraded gasoline contamination identified at monitoring well CA-2. This additional assessment should supplement the development of a groundwater flow model of the Site in order to define the nature, extent, and/or potential fate and transport characteristics of the identified impacted media. Credere also recommends that this petroleum contamination issue be referred to the NHDES Petroleum Remediation Program as the observed contamination is likely associated with one of the former USTs at the Site. If accepted into this program, future investigation work will be reimbursed by the program.
- Credere recommends that the identified ACM floor tile remaining on the former building slab be properly handled according to all applicable NHDES Asbestos and Solid Waste Rules prior to the development of the Site.

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 Site. 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.

Jonathan O'Donnell
Geo-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 Site.

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 Site 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 Site conditions that occurred at a time other than when the Site 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.

TABLES

TABLE 1
FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET - FRANKLIN NEW HAMPSHIRE
NHDES SITE NO. 199902062
SUMMARY OF EXPLORATION LOCATIONS AND SAMPLING METHODS

Location Name	Media Sampled	Type of Exploration	Location	Sampling Method
CA-SG-1	Soil Gas		Beneath northern end of foundation slab.	Summa sampling canister via 1/4 inch stainless steel probe through floor slab, sealed in place with bentonite
CA-SG-2				
CA-SG-3				
CA-SG-4				
CA-SG-5				
CA-SG-6			Beneath southern end of foundation slab.	
CA-SG-7				
CA-SG-8				
CA-SG-9				
CA-SG-10				
CA-SG-11				
CA-TP-7	Subsurface Soil	Test Pit	West side of closed-in-place UST-6	Excavator
CA-TP-7A		Test Pit/Soil Boring	South side of closed-in-place UST-6	Excavator, split-spoon sampler
CA-TP-8		Test Pit	West of slab loading dock area in suspected location of UST-8.	Excavator
CA-TP-9			Under northern portion of foundation near suspected location of UST-9.	
CA-TP-10			West of slab loading dock area in suspected location of UST-8.	
CA-TP-11			West of slab loading dock area in suspected location of UST-8.	
CA-TP-12			West of slab, beneath fuel dispenser sump.	
CA-TP-13			East of slab, subsurface anomaly detected by Ground Penetrating Radar.	
CA-TP-14			East of slab, subsurface anomaly detected by Ground Penetrating Radar.	
CA-TP-15			East of slab.	
CA-TP-16			West of slab.	
CA-TP-17			North of slab.	
CA-TP-18			North of slab.	
Transformer Pit	Surficial Soil	Surficial Soil Sample	West of slab, loading dock area, grab sample from soil at pit bottom.	Pre-cleaned shovel
CA-SS-1			Co-located with CA-TP-17.	
CA-SS-2			Co-located with CA-TP-14.	
CA-SS-3			South of slab,	
CA-1	Subsurface Soil and Groundwater	Soil Boring & Monitoring Well	Co-located with CA-SG-2.	Split-spoon sampler. Purge groundwater sampling using submersible pump.
CA-2			East of slab, buried tannery waste area.	
CA-3			Co-located with CA-SG-10.	
CA-4	Subsurface Soil	Soil Boring	Immediately east of press pits.	
CA-5			Immediately east of press pits.	
MW-2	Groundwater	Monitoring Well	East of slab, buried tannery waste area.	Purge groundwater sampling using submersible pump.
CC-1	Building Material/Debris		Stained concrete in area of possible transformer	Single-use drill bit and scupula
CC-2				
D-Floor Covering			On northen end of slab.	Hand.
D-1			On central portion of slab.	Hand
D-2			On central portion of slab.	Hand
D-3			On central portion of slab.	Hand
D-4			From debris pile, southern end of slab.	Hand

TABLE 2
FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET - FRANKLIN NEW HAMPSHIRE
NHDES SITE NO. 199902062
SUMMARY OF PHOTOIONIZATION DETECTOR (PID) FIELD SCREENING RESULTS

Location	Sample Depth (feet bgs)	Sample Date	PID Results (ppm_v)	Evidence of Contaminated or Petroleum Impacted Soils
Test Pit Sample				
CA-TP-7	0-2	06/28/11	ND	No visual evidence observed.
	3-5		ND	
	5-7		ND	
	7-8		ND	
CA-TP-7A	4	06/30/11	0.5	No visual evidence observed.
	6		1.4	
	8		1.3	
	9		1.4	
	9.5		1.3	
	10-12		1.9	
	12-14		1.1	
	14-16		0.4	
CA-TP-8	0-2	06/28/11	1.2	No visual evidence observed.
	2-4		ND	
	4.5-6		1.1	
	6-8		ND	
	8-9		ND	
CA-TP-9	0	06/30/11	0.7	No visual evidence observed.
	2		1.3	
	4		1.8	
	6		2.4	
	8		2.0	
CA-TP-10	0-2	06/28/11	ND	No visual evidence observed.
	2-4		ND	
	4.5-6		ND	
	6-8		ND	
	8-9		ND	
CA-TP-11	0-2	06/28/11	ND	No visual evidence observed.
	3-4.5		ND	
	4.5-6.5		ND	
	6.5-9		ND	
CA-TP-12	2 (In sump)	06/30/11	ND	In sump. Wet black organic material. No odor.
	2 (below concrete)		0.7	
	3		1.2	
	4		0.5	
CA-TP-13	0-2	06/28/11	ND	No visual evidence observed.
	2-4		ND	
	4-5		ND	
	6-8		ND	
CA-TP-14	2-4	06/28/11	ND	No visual evidence observed.
	4-6		ND	
	6-8		ND	
CA-TP-15	0-2	06/28/11	ND	No visual evidence observed.
	2-4		ND	
	5-7		ND	
CA-TP-16	0-2	06/28/11	ND	No visual evidence observed.
	2-4		ND	
	5-7		ND	
CA-TP-17	2-4	06/28/11	ND	No visual evidence observed.
	4-7		ND	
CA-TP-18	0-1.5	06/28/11	ND	No visual evidence observed.
	1.5-3		ND	
	3-5		ND	

TABLE 2
FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET - FRANKLIN NEW HAMPSHIRE
NHDES SITE NO. 199902062
SUMMARY OF PHOTOIONIZATION DETECTOR (PID) FIELD SCREENING RESULTS

Location	Sample Depth (feet bgs)	Sample Date	PID Results (ppm_v)	Evidence of Contaminated or Petroleum Impacted Soils
Surficial Soil Samples				
CA-SS-1	0-2	06/28/11	ND	No visual evidence observed.
CA-SS-2	0-2	06/28/11	ND	No visual evidence observed.
CA-SS-3	0-2	07/05/11	ND	No visual evidence observed.
Transformer Pit	Pit Bottom	06/28/11	ND	No visual evidence observed.
Subsurface Soil Samples				
CA-1	0-2	06/29/11	ND	No visual evidence observed. Slight aromatic odor observed.
	2-4		ND	
	4-6		ND	
	6-8		ND	
	8-10		ND	
	10-12		ND	
	12-14		ND	
	14-16		ND	
	16-18		ND	
	18-20		ND	
	20-22		ND	
	22-24		ND	
	24-26		ND	
	26-28		ND	
CA-2	0-2	06/29/11	ND	No visual evidence observed.
	2-4		ND	
	4-6		ND	
	6-8		10.2	
	8-10		7.9	
	10-12		1.2	
	12-14		ND	
	14-16		ND	
	16-18		ND	
	18-20		ND	
	20-22		ND	
	22-24		ND	
	24-26		ND	
	26-28		ND	
	28-30		ND	
	30-32		ND	
CA-3	0-2	06/29/11	ND	No visual evidence observed.
	2-4		ND	
	4-6		ND	
	6-8		1.2	
	8-10		ND	
	10-12		ND	
	12-14		ND	
	14-16		ND	
	16-18		ND	
	18-20		ND	
	20-22		ND	
	22-24		ND	
	24-26		ND	
	26-28		ND	
	28-30		ND	
	30-32		ND	
CA-4	10-12	06/29/11	NS	No visual evidence observed. Slight aromatic odor observed.
	12-14		ND	
CA-5	10-12	06/29/11	ND	No visual evidence observed. Slight aromatic odor observed.
	12-14		ND	

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

NS - no sample from this depth

ppm_v - parts per million by volume

bgs - below ground surface

TABLE 3
FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET - FRANKLIN NEW HAMPSHIRE
NHDES SITE NO. 199902062
SUMMARY OF X-RAY FLUORESCENCE (XRF) METER FIELD SCREENING RESULTS

Location	Sample Depth (feet bgs)	Sample Date	NHDES Soil Remediation Standard and Metal Concentration (mg/kg)										
			Cr	Ni	Cu	Zn	As	Se	Ag	Cd	Ba	Hg	Pb
			130*	400	NE	1,000	11	180	89	33	1,000	6	400
Test Pit Sample													
CA-TP-7	0-2	6/28/2011	<LOD	<LOD	43	61	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	28
	3-5		<LOD	<LOD	22	22	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	19
	5-7		<LOD	<LOD	<LOD	57	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	17
	7-8		<LOD	<LOD	23	32	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	16
CA-TP-7A	4	6/30/2011	<LOD	<LOD	<LOD	22	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	25
	6		<LOD	<LOD	23	41	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	19
	8		<LOD	<LOD	<LOD	25	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	25
	9		<LOD	<LOD	<LOD	11	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	20
	9.5		103	<LOD	<LOD	18	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	50
CA-TP-8	0-2	6/28/2011	<LOD	<LOD	<LOD	65	18	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD
	2-4		<LOD	<LOD	24	45	17	<LOD	<LOD	<LOD	<LOD	<LOD	15
	4.5-6		<LOD	<LOD	<LOD	22	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	20
	6-8		163	<LOD	<LOD	20	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	17
	8-9		<LOD	<LOD	<LOD	17	<LOD	<LOD	<LOD	<LOD	307	<LOD	16
CA-TP-9	0	6/30/2011	<LOD	<LOD	<LOD	31	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	21
	0-2		204	<LOD	<LOD	27	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	20
	2-4		227	<LOD	<LOD	28	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	26
	4-6		146	<LOD	<LOD	24	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	22
	6-8		<LOD	<LOD	<LOD	26	<LOD	<LOD	<LOD	<LOD	326	<LOD	18
CA-TP-10	0-2	6/28/2011	<LOD	<LOD	<LOD	68	13	<LOD	<LOD	<LOD	<LOD	<LOD	19
	2-4		<LOD	<LOD	<LOD	70	24	<LOD	<LOD	<LOD	371	<LOD	25
	4.5-6		<LOD	<LOD	<LOD	20	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	14
	6-8		<LOD	<LOD	<LOD	24	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	23
CA-TP-11	0-2	6/28/2011	<LOD	<LOD	47	73	17	<LOD	<LOD	<LOD	<LOD	<LOD	26
	3-4.5		<LOD	<LOD	<LOD	24	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	16
	4.5-6.5		117	<LOD	<LOD	47	15	<LOD	<LOD	<LOD	<LOD	<LOD	22
	6.5-9		129	<LOD	24	31	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	22
CA-TP-12	2 (In sump)	6/30/2011	<LOD	<LOD	6,040	306	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	171
	2 (below concrete)		<LOD	<LOD	1,200	87	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	85
	2-3		<LOD	<LOD	124	37	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	18
	3-4		<LOD	<LOD	<LOD	89	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	16
CA-TP-13	0-2	6/28/2011	107	<LOD	<LOD	23	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	25
	2-4		142	<LOD	24	35	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	21
	4-5		<LOD	<LOD	<LOD	30	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	25
	6-8		<LOD	<LOD	<LOD	34	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	27
CA-TP-14	2-4	6/28/2011	<LOD	<LOD	<LOD	32	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	21
	4-6		<LOD	<LOD	<LOD	35	<LOD	<LOD	<LOD	<LOD	341	<LOD	21
	6-8		639	<LOD	<LOD	52	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	30
CA-TP-15	0-2	6/28/2011	<LOD	<LOD	<LOD	37	<LOD	<LOD	<LOD	<LOD	361	<LOD	33
	2-4		<LOD	<LOD	<LOD	40	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	26
	5-7		<LOD	<LOD	<LOD	33	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	32
CA-TP-16	0-2	6/28/2011	<LOD	<LOD	27	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	17
	2-4		<LOD	<LOD	21	13	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	10
	5-7		<LOD	<LOD	<LOD	15	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	17
CA-TP-17	2-4	6/28/2011	<LOD	<LOD	<LOD	28	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	23
	4-7		<LOD	<LOD	22	15	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	16
CA-TP-18	0-1.5	6/28/2011	<LOD	<LOD	<LOD	24	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	20
	1.5-3		<LOD	<LOD	<LOD	16	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	21
	3-5		<LOD	<LOD	<LOD	24	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	23
Transformer Pit	2	6/28/2011	<LOD	52	1,561	168	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	40

TABLE 3
FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET - FRANKLIN NEW HAMPSHIRE
NHDES SITE NO. 199902062
SUMMARY OF X-RAY FLUORESCENCE (XRF) METER FIELD SCREENING RESULTS

Location	Sample Depth (feet bgs)	Sample Date	NHDES Soil Remediation Standard and Metal Concentration (mg/kg)										
			Cr	Ni	Cu	Zn	As	Se	Ag	Cd	Ba	Hg	Pb
			130*	400	NE	1,000	11	180	89	33	1,000	6	400
Surficial Soil Samples													
CA-SS-1	0-2	6/28/2011	<LOD	<LOD	<LOD	23	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	21
CA-SS-2	0-2	6/28/2011	260	<LOD	<LOD	51	<LOD	<LOD	<LOD	<LOD	483	<LOD	24
CA-SS-3	0-2	7/5/2011	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	48
Subsurface Soil Samples													
CA-1	0-2	6/29/2011	112	<LOD	<LOD	19	<LOD	4	<LOD	<LOD	<LOD	<LOD	30
	2-4		136	<LOD	<LOD	20	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	17
	4-6		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	21
	6-8		<LOD	<LOD	24	13	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	20
	8-10		<LOD	<LOD	<LOD	19	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	16
	10-12		<LOD	40	<LOD	14	<LOD	<LOD	<LOD	<LOD	321	<LOD	21
	12-14		<LOD	<LOD	<LOD	12	8	<LOD	<LOD	<LOD	<LOD	<LOD	14
	14-16		<LOD	<LOD	<LOD	11	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	19
	16-18		<LOD	<LOD	<LOD	12	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	23
	18-20		<LOD	<LOD	<LOD	17	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	21
	20-22		<LOD	<LOD	<LOD	13	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	18
	22-24		<LOD	<LOD	<LOD	15	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	20
	24-26		<LOD	<LOD	<LOD	14	<LOD	<LOD	<LOD	<LOD	365	<LOD	18
	26-28		<LOD	<LOD	<LOD	20	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	20
CA-2	0-2	6/29/2011	148	<LOD	<LOD	37	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	28
	2-4		<LOD	<LOD	<LOD	29	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	25
	4-6		<LOD	<LOD	<LOD	35	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	20
	6-8		151	<LOD	<LOD	38	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	20
	8-10		<LOD	<LOD	<LOD	24	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	20
	10-12		<LOD	<LOD	<LOD	19	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	17
	12-14		<LOD	<LOD	<LOD	19	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	27
	14-16		<LOD	<LOD	<LOD	24	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	19
	16-18		<LOD	<LOD	<LOD	31	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	17
	18-20		<LOD	<LOD	<LOD	19	<LOD	<LOD	<LOD	<LOD	380	<LOD	9
	20-22		<LOD	<LOD	<LOD	35	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	19
	22-24		<LOD	<LOD	<LOD	26	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	16
	24-26		114	<LOD	30	38	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	23
	26-28		<LOD	<LOD	<LOD	25	<LOD	<LOD	<LOD	<LOD	421	<LOD	16
	28-30		<LOD	<LOD	<LOD	22	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	15
CA-3	0-2	6/29/2011	472	<LOD	<LOD	10	<LOD	5	<LOD	<LOD	<LOD	18	185
	2-4		423	<LOD	<LOD	22	<LOD	5	<LOD	<LOD	<LOD	25	401
	4-6		164	<LOD	<LOD	13	<LOD	<LOD	<LOD	<LOD	<LOD	19	199
	6-8		248	<LOD	<LOD	18	<LOD	<LOD	<LOD	<LOD	<LOD	16	215
	8-10		461	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	14	123
	10-12		518	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	14	146
	12-14		647	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	17	127
	14-16		674	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	15	108
	16-18		187	<LOD	<LOD	13	<LOD	<LOD	<LOD	<LOD	<LOD	10	119
	18-20		105	<LOD	<LOD	9	<LOD	<LOD	<LOD	<LOD	<LOD	15	106
	20-22		173	<LOD	<LOD	10	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	101
	22-24		434	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	13	106
	24-26		330	<LOD	<LOD	10	<LOD	<LOD	<LOD	<LOD	<LOD	14	105
	26-28		280	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	9	88
	28-30		89	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	14	85
	30-32		150	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	8	85
CA-4	10-12	6/29/2011	<LOD	<LOD	23	41	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	19
	12-14		<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	25
CA-5	10-12	6/29/2011	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	22
	12-14		<LOD	<LOD	<LOD	34	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	27

<LOD - Concentration less than instrument level of detection

Highlighted cells have concentrations that exceed NHDES Soil Remediation Standards

* = The regulatory threshold for Cr VI was used because it is the most stringent standard for chromium

XRF - X-Ray Fluorescence Detector

bgs - below ground surface

TABLE 4
FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET - FRANKLIN NEW HAMPSHIRE
NHDES SITE NO. 199902062
SUMMARY OF GROUNDWATER ELEVATION DATA

MONITORING WELL ID		CA-1	CA-2	CA-3	MW-2
Pertinent Well Construction Details	WELL DEPTH[1] (FEET)	34.42	34.41	34.57	33.96
	LENGTH OF SCREEN (FEET)	10	10	10	10
	DEPTH TO TOP OF SCREEN[1] (FEET)	25	25	25	25
	TOP OF WELL ELEVATION[2] (FEET)	335.26	334.82	335.25	334.89
GROUNDWATER DEPTH[1] (FEET) July 5, 2011		28.02	27.57	27.75	27.64
GROUNDWATER ELEVATION[3] (FEET) July 5, 2011		307.24	307.25	307.50	307.25

Notes:

(1) All depth levels were gauged from top of well PVC riser. Well depth measurements were taken at the time of groundwater sampling, and may refect loss of well depth due to sedimentation.

(2) Top of Well Elevations were related, via stadia survey, to elevation of existing well MW-2 (334.89 ft) from Delta Phase II ESA, April 10, 2008. Elevations of wells CA-1 through CA-3 were surveyed by Credere on July 5, 2011.

(3) Groundwater elevations have been calculated by subtracting the depth to groundwater from the well elevations.

TABLE 5
FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET - FRANKLIN NEW HAMPSHIRE
NHDES SITE NO. 199902062
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES

Parameter	Regulatory Standard	Surficial Soil Sample Location, Date, and Depth (feet)			Subsurface Soil Sample Location, Date, and Depth (feet)																
	NHDES SRS[2] (mg/kg)	CA-SS-1	CA-SS-2	CA-SS-3	Transformer Pit	CA-TP-7A	CA-TP-8	CA-TP-9	CA-TP-10	CA-TP-11	CA-TP-12	CA-TP-13	CA-TP-14	CA-TP-15	CA-TP-16	CA-TP-17	CA-TP-18	CA-1	CA-2	CA-3	CA-4	CA-5
		6/28/2011	6/28/2011	7/5/2011	6/28/2011	6/30/2011	6/28/2011	6/30/2011	6/28/2011	6/28/2011	6/30/2011	6/28/2011	6/28/2011	6/28/2011	6/28/2011	6/28/2011	6/28/2011	6/29/2011	6/29/2011	6/29/2011	6/29/2011	6/29/2011
		0-2'	0-2'	0-2'	2'	10-12'	6-8'	6'	0-2'	6.5-9'	3'	2-4'	6-8'	5-7'	0-2'	4-7'	3-5'	26-28'	6-8'	2-4'	10-12'	12-14'
[1]Volatile Organic Compounds (mg/kg) EPA Method 8260B																						
Trichlorofluoromethane	1,000	NS	NS	NS	NS	ND < 0.1	ND < 0.1	ND < 0.1	**0.3**	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	ND < 0.1	ND < 0.1
Total xylene	500	NS	NS	NS	NS	ND < 0.2	ND < 0.2	ND < 0.2	**0.1**	ND < 0.2	ND < 0.2	ND < 0.2	ND < 0.2	ND < 0.2	ND < 0.2	ND < 0.2	ND < 0.2	ND < 0.2	ND < 0.2	ND < 0.2	ND < 0.2	ND < 0.2
Total Petroleum Hydrocarbons (mg/kg) EPA Method 8015B																						
TPH	10,000	NS	NS	NS	NS	ND < 190	ND < 220	ND < 200	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND < 220	NS	NS	ND < 240	ND < 250
Metals SW3051A (mg/kg)																						
Arsenic	11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**3.0**	**1.4**	**6.1**	**1.2**	**2.7**	**2.7**	NS	**1.5**	**4.4**	**2.1**	**2.2**
Barium	1,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**23**	**47**	**22**	**12**	**11**	**16**	NS	**13**	**16**	**15**	**16**
Cadmium	33	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND < 0.3	ND < 0.3	ND < 0.3	ND < 0.2	ND < 0.3	ND < 0.3	NS	ND < 0.2	ND < 0.2	ND < 0.2	ND < 0.3
Chromium	130*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**36**	**260**	**9**	**5**	**9**	**7**	NS	**25**	**6**	**6**	**7**
Copper	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**18**	**14**	**20**	**10**	**22**	**13**	NS	**12**	**16**	**14**	**22**
Lead	400	NS	NS	NS	NS	**5.6**	NS	NS	**5.6**	**4.8**	**4.5**	**7.2**	**6.2**	**28**	**3.2**	**4.8**	**4.9**	NS	**4.9**	**5.5**	**4.0**	**4.1**
Mercury	6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND < 0.08	ND < 0.08	ND < 0.10	ND < 0.07	ND < 0.07	ND < 0.08	NS	ND < 0.07	ND < 0.08	ND < 0.07	ND < 0.08
Nickel	400	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**7**	**4**	**6**	**4**	**4**	**6**	NS	**5**	**7**	**5.0**	**6**
Selenium	180	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND < 3	ND < 3	ND < 4	ND < 3	ND < 3	ND < 4	NS	ND < 3	ND < 3	ND < 3	ND < 3
Silver	89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND < 0.4	ND < 0.5	ND < 0.5	ND < 0.4	ND < 0.5	ND < 0.5	NS	ND < 0.4	ND < 0.4	ND < 0.4	ND < 0.5
Zinc	1,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**21**	**17**	**23**	**9**	**13**	**15**	NS	**23**	**21**	**14**	**17**
Hexavalent Chromium (mg/kg) by method SM3500CrB																						
Cr VI	130*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**4.5**	NS	NS	NS	NS	NS	NS	NS	NS	NS
[1]Semi-Volatile Organic Compounds(mg/kg) EPA Method 8270C																						
All Compounds	Various	NS	NS	**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	All ND	All ND
Polycyclic Aromatic Hydrocarbons (mg/kg) EPA Method 8270C																						
Naphthalene	5	ND < 0.6	ND < 0.6	ND < 0.2	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	ND < 3.3	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
2-methylnaphthalene	96	ND < 0.6	ND < 0.6	ND < 0.2	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	ND < 3.3	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Acenaphthylene	490	ND < 0.6	ND < 0.6	ND < 0.2	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	ND < 3.3	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Acenaphthene	340	ND < 0.6	ND < 0.6	ND < 0.2	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**5.3**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Dibenzofuran	NE	ND < 0.6	ND < 0.6	ND < 0.2	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**3.6**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Fluorene	77	ND < 0.6	ND < 0.6	ND < 0.2	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**7.7**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Phenanthrene	960	ND < 0.6	ND < 0.6	**0.6**	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**100**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Anthracene	1,000	ND < 0.6	ND < 0.6	**0.12**	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**33**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Fluoranthene	960	ND < 0.6	ND < 0.6	**1.5**	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**160**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Pyrene	720	ND < 0.6	ND < 0.6	**1.3**	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**160**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Benzo[a]anthracene	1	ND < 0.6	ND < 0.6	**0.69**	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**80**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Chrysene	120	ND < 0.6	ND < 0.6	**0.8**	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**74**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Benzo[b]fluoranthene	1	ND < 0.6	ND < 0.6	**0.82**	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**46**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Benzo[k]fluoranthene	4	ND < 0.6	ND < 0.6	**0.68**	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**80**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Benzo[a]pyrene	0.7	ND < 0.6	ND < 0.6	**0.71**	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**66**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	1	ND < 0.6	ND < 0.6	**0.34**	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**18**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Dibenzo(a,h)anthracene	0.7	ND < 0.6	ND < 0.6	**0.14**	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**9.6**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Benzo(g,h,i)perylene	960	ND < 0.6	ND < 0.6	**0.36**	NS	ND < 0.5	ND < 0.5	ND < 0.5	NS	NS	NS	ND < 0.5	ND < 0.5	**16**	ND < 0.5	ND < 0.6	ND < 0.6	ND < 0.6	NS	NS	NS	NS
Polychlorinated Biphenyls (mg/kg) EPA Method 8082																						
Total PCBs	1	NS	NS	NS	ND < 0.03	NS	NS	NS	NS	NS	NS	ND < 0.03	NS	NS	NS	NS	NS	NS	NS	NS	ND < 0.6	ND < 0.7

NOTES:

[1] Only analytes identified above detection limit are summarized .

[2] New Hampshire Soil Remediation Standards from the Risk Characterization Management Policy Env-Or 606.19, Soil Remediation Criteria.

* = The regulatory threshold for Cr VI was used because it is the most stringent standard for chromium, except for sample CA-TP-14, which was analyzed for both total chromium and Cr VI.

** - PAHs were detected as part of the SVOC analysis. Results are presented with the PAH results.

J = Estimated value because detection was below practical quantitation limit.

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. 0.1 mg/kg)

NS = Not sampled for the analysis.

Bold Exceeds laboratory quantitation limit

Exceeds NH DES Soil Remediation Standards.

TABLE 6
FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET - FRANKLIN NEW HAMPSHIRE
NHDES SITE NO. 199902062
SUMMARY OF ANALYTICAL RESULTS FOR BUILDING MATERIAL SAMPLES

Parameter	Regulatory Standard	Building Material Sample Location, Date, and Depth (feet)						
	NHDES SRS[1] (mg/kg) or Standard for ACM[2] (% by volume)	CA-CC-1	CA-CC-2	D-1	D-2	D-3	D-4	D-Floor Covering
		6/30/2011	6/30/2011	6/28/2011	6/28/2011	6/28/2011	6/28/2011	6/28/2011
		0	0	0	0	0	0	0
Asbestos Analysis of Bulk Materials (% by Volume) via EPA 600/R-93/116 Method using Polarized Light Microscopy								
Asbestos	1	NS	NS	**5**	ND < 1	ND < 1	ND < 1	NS
Polychlorinated Biphenyls (mg/kg) EPA Method 8082								
Total PCBs	1	ND < 0.6	ND < 0.6	NS	NS	NS	NS	ND < 0.03

NOTES:

[1] New Hampshire Soil Remediation Standards from the Risk Characterization Management Policy Env-Or 606.19, Soil Remediation Criteria.

[2] NHDES Env-A 1800

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

NS = Not sampled for the analysis.

Bold Exceeds laboratory quantitation limit

Exceeds NH DES Soil Remediation Standards.

TABLE 7
FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET - FRANKLIN NEW HAMPSHIRE
NHDES SITE NO. 199902062
SUMMARY OF ANALYTICAL RESULTS FOR SOIL GAS SAMPLES

Parameter	Regulatory Standard	Sample Location, Date, and Depth (feet)	
	Commercial Soil Gas, Vapor Intrusion Screening Levels [2] (µg/m^3)	CA-SG-2	CA-SG-10
		6/28/2011	6/28/2011
		1	1
[1]Volatile Organics in Air (µg/m^3), Method TO-15			
Dichlorodifluoromethane	NE	235	16
Ethanol	NE	7050	5760
Acetone	NE	651	211
Trichlorofluoromethane	NE	23.6	106
Isopropanol	NE	381	295
Methylene chloride	NE	57.3	ND < 34.7
2-Butanone	NE	30.1	32.7
Tetrahydrofuran	NE	14.2	16.4
n-Hexane	NE	30.9	25.3
Benzene	95	28.4	30
Cyclohexane	NE	7.64	7.71
Heptane	NE	15.8	19.1
Toluene	73,000	154	177
Ethylbenzene	250	8.69	17.2
Total Xylene	1,500	83.1	69.4
1,2,4-Trimethylbenzene	220	12.7	ND < 9.83

NOTES:

[1] Only analytes identified above detection limit are summarized .

[2] NHDES Vapor Intrusion Guidance Document, July 5, 2011

NE = No regulatory guideline established

ND < 0.2 = Not detected above quantitation limit (i.e. 0.2 mg/kg)

NS = Not sampled for the analysis.

Bold Exceeds laboratory quantitation limit

TABLE 8
FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET - FRANKLIN NEW HAMPSHIRE
NHDES SITE NO. 199902062
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

Parameter	Regulatory Standard	Sample Location, Date, and Concentration (µg/L)				
	NH AGQS[2] (µg/L)	CA-1	CA-2		CA-3	MW-2
		7/5/2011	7/5/2011	7/14/2011*	7/5/2011	7/5/2011
[1]Volatile Organic Compounds (ug/L) EPA Method 8260B						
Propylbenzene, n-	260	ND < 2	**29**	NS	ND < 2	ND < 2
Trimethylbenzene, 1,3,5-	330	**4**	**320**	NS	ND < 2	ND < 2
Trimethylbenzene, 1,2,4-	330	**9**	**710**	NS	ND < 2	ND < 2
Butylbenzene, sec-	260	ND < 2	**43**	NS	ND < 2	ND < 2
Isopropyltoluene, p-	260	ND < 2	**100**	NS	ND < 2	ND < 2
[1]Semi-Volatile Organic Compounds(µg/L) EPA Method 8270C						
All Compounds	Various	NS	All ND	NS	NS	NS
Metals SW3051A (ug/L)						
Arsenic	10	NS	**21**	ND < 8*	ND < 8	NS
Barium	2,000	NS	**130**	ND < 50*	ND < 50	NS
Cadmium	5	NS	ND < 4	ND < 4*	ND < 4	NS
Chromium	100	NS	**130**	ND < 50*	ND < 50	NS
Copper	1,300	NS	**230**	NS	NS	NS
Lead	15	NS	**45**	ND < 8*	ND < 8	**8**
Mercury	2	NS	ND < 2	ND < 2*	ND < 2	NS
Nickel	100	NS	ND < 50	NS	NS	NS
Selenium	50	NS	ND < 50	ND < 50*	ND < 50	NS
Silver	100	NS	ND < 7	ND < 7*	ND < 7	NS
Zinc	NE	NS	**120**	NS	NS	NS

NOTES:

[1] Only analytes above detection level are summarized.

[2] New Hampshire Code of Administrative Rules Ambient Groundwater Quality Standards (AGQS), effective July 23, 2008.

* - Sample collected on July 14, 2011 was field filtered and is for dissolved metals. All samples collected on July 5, 2011 were not field filtered and are for total metals.

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 AGQS

Exceeds NHDES AGQS in unfiltered total metals sample but NOT in filtered dissolved metals sample.

TABLE 9
FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET - FRANKLIN NEW HAMPSHIRE
NHDES SITE NO. 199902062
SUMMARY OF DUPLICATE SAMPLE ANALYSES

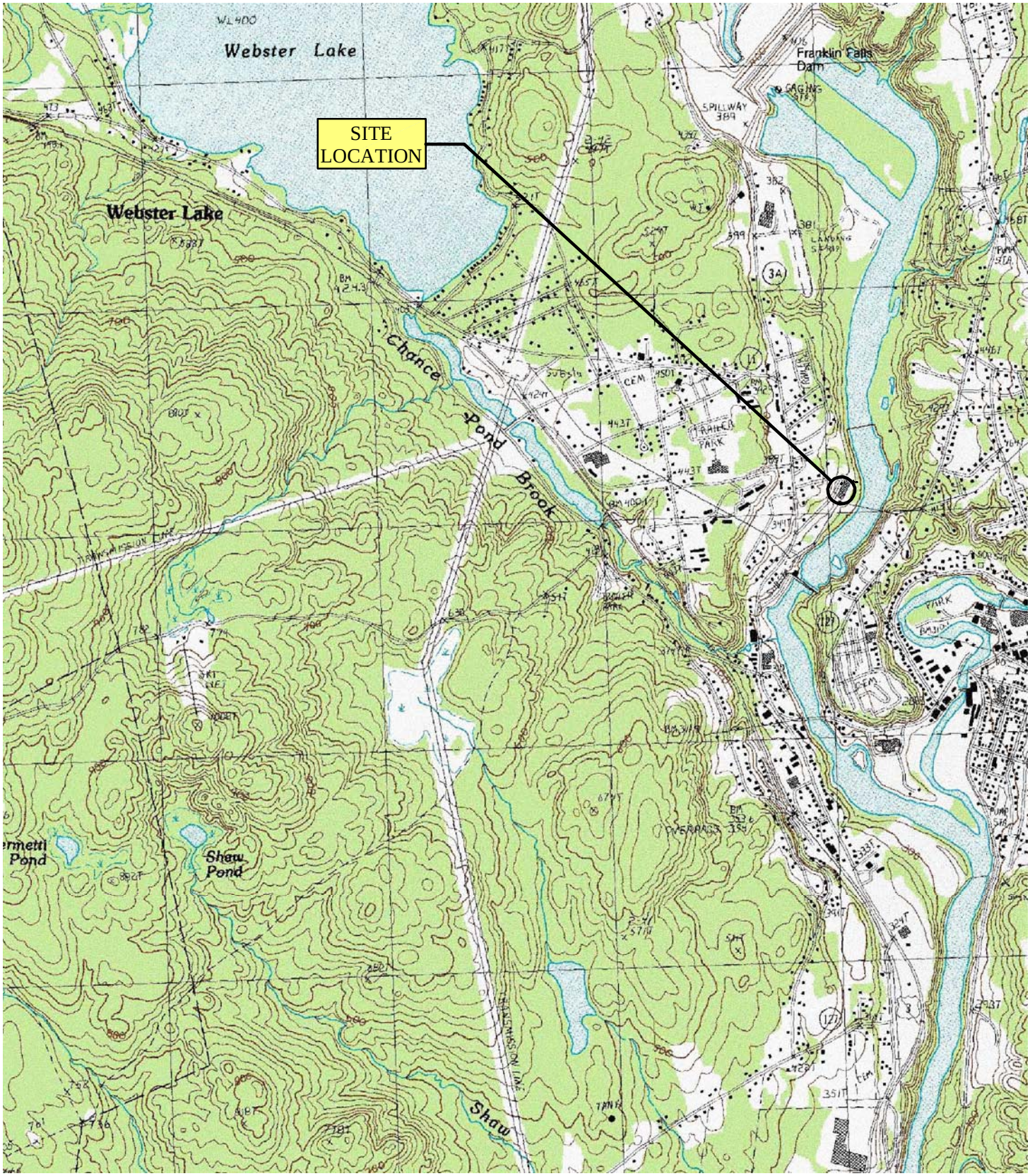
Parameter	NHDES Threshold [1]	Quantitation Limit (ug/g)	5x Quantitation Limit	Sample [2]	Duplicate	Relative Percent Difference
VOCs						
QA/QC (CA-TP-DUP-1, 06/28/11); duplicate of CA-TP-14 6-8'						
All parameters non-detect.						
PAHs						
QA/QC (CA-TP-DUP-1, 06/28/11); duplicate of CA-TP-14 6-8'						
All parameters non-detect.						
Metals						
QA/QC (CA-TP-DUP-1, 06/28/11); duplicate of CA-TP-14 6-8'						
Barium	1,000	3.0	15.0	47	92	-64.7%
Chromium	130	3.0	15.0	260	300	-14.3%
Copper	NE	3.0	15.0	14	16	-13.3%
Lead	400	0.7	3.5	6.2	7	-12.1%
Zinc	1,000	3.0	15.0	17	20	-16.2%
TPH						
QA/QC (CA-TP-DUP-2, 06/30/11); duplicate of CA-TP-9 6'						
All parameters non-detect.						

NOTES:

[1] New Hampshire Soil Remediation Standards from the Risk Characterization Management Policy Env-Or 606.19, Soil Remediation Criteria and Env-Or 603.3 Ambient Groundwater Quality Standards.

[2] Only analytes above detection level and five times the quantitation limit are summarized herein.
NA - Not applicable
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 solid samples as specified in the Project QAPP

FIGURES



USGS 7.5 MINUTE FRANKLIN, NH QUADRANGLE (1987)

DRAWN BY: WTE	DATE: 2/24/12
CHECKED BY:RSV/JSS	PROJECT: 10001086

FIGURE 1 - SITE LOCATION PLAN

CREDERE ASSOCIATES, LLC
776 MAIN STREET
WESTBROOK, MAINE 04092
TEL: 207.828.1272
FAX: 207.887.1051
WWW.CREDERELLC.COM

FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET
FRANKLIN, NH
NHDES #199902062

GRAPHIC SCALE
2,000 0 1,000 2,000
1 inch = 2,000 ft.

N

CREDERE

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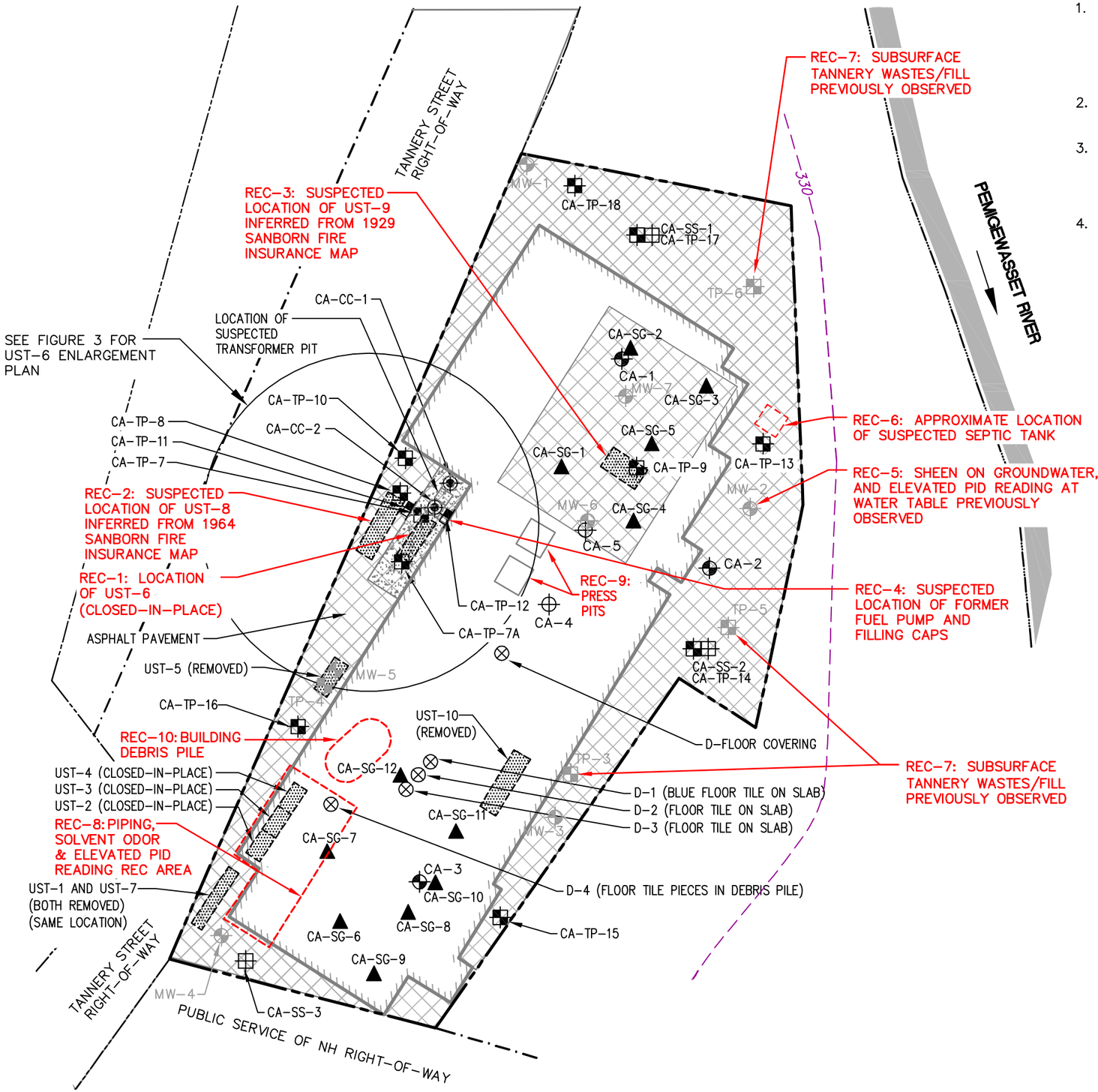

NOTES

1. EXISTING CONDITION INFORMATION SHOWN ON THIS PLAN IS FROM A PLAN TITLED "FIGURE 5, SITE RECS" DATED APRIL 2011 BY NOBIS ENGINEERING, INC. (NOBIS) OF CONCORD NEW HAMPSHIRE AND FROM OBSERVATIONS AND MEASUREMENTS BY CREDERE DURING THIS PHASE II ESA.
2. LOCATIONS AND SITE FEATURES DEPICTED ON THIS PLAN HAVE BEEN SURVEYED BY CREDERE ASSOCIATES UNLESS OTHERWISE NOTED.
3. TEST PITS NUMBERED 1 THROUGH 6 WERE PERFORMED BY DELTA IN 2008 AND 2011 FOR PREVIOUS ENVIRONMENTAL ASSESSMENTS. TEST PITS NUMBERED 7, 7A, AND 8 THROUGH 18 WERE PERFORMED BY CREDERE FOR THIS PHASE II ENVIRONMENTAL ASSESSMENT.
4. PREVIOUS TEST PITS TP-1 AND TP-2 ARE LOCATED OFF-SITE.

N

CREDERE

EXISTING FEATURES AND PREVIOUS WORK LEGEND

SYMBOL	DESCRIPTION
	SUBJECT PROPERTY BOUNDARY
	ABUTTER PROPERTY BOUNDARY
	RIGHT-OF-WAY
330	APPROXIMATE TOPOGRAPHIC ELEVATION CONTOUR
	EDGE OF RIVER BANK
	EDGE OF PAVEMENT
	RECOGNIZED ENVIRONMENTAL CONDITION (REC) AREA
	UNDERGROUND STORAGE TANK (REMOVED OR CLOSED IN-PLACE)
	EXTENT OF REMAINING CONCRETE BUILDING SLAB
	CONCRETE PAD

SAMPLE LOCATION LEGEND

SYMBOL	DESCRIPTION
	NEW MONITORING WELL
	SOIL BORING
	SURFICIAL SOIL SAMPLE
	TEST PIT ADJACENT TO SLAB
	TEST PIT
	SOIL GAS POINT
	DEBRIS SAMPLE
	CONCRETE SAMPLE
	PREVIOUS TEST PIT (DELTA)
	EXISTING MONITORING WELL (DELTA)
	LIMIT OF GROUND PENETRATING RADAR SURVEY

PID = PHOTOIONIZATOIN DETECTOR

UST = UNDERGROUND STORAGE TANK

FIGURE 2
PHASE II ENVIRONMENTAL SITE ASSESSMENT SAMPLE LOCATION PLAN SHOWING RECOGNIZED ENVIRONMENTAL CONDITIONS

GRAPHIC SCALE
60 30 0 60
1 inch = 60 ft.

FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET
FRANKLIN, NH
NHDES #199902062

DRAWN BY: WTE
CHECKED BY: RSV
DATE: 2/24/12
PROJECT: 10001086

CREDERE ASSOCIATES, LLC
776 MAIN STREET
WESTBROOK, MAINE 04092
FAX: 207.887.1051
TEL: 207.828.1272
WWW.CREDERELLC.COM

Economy Community Environment

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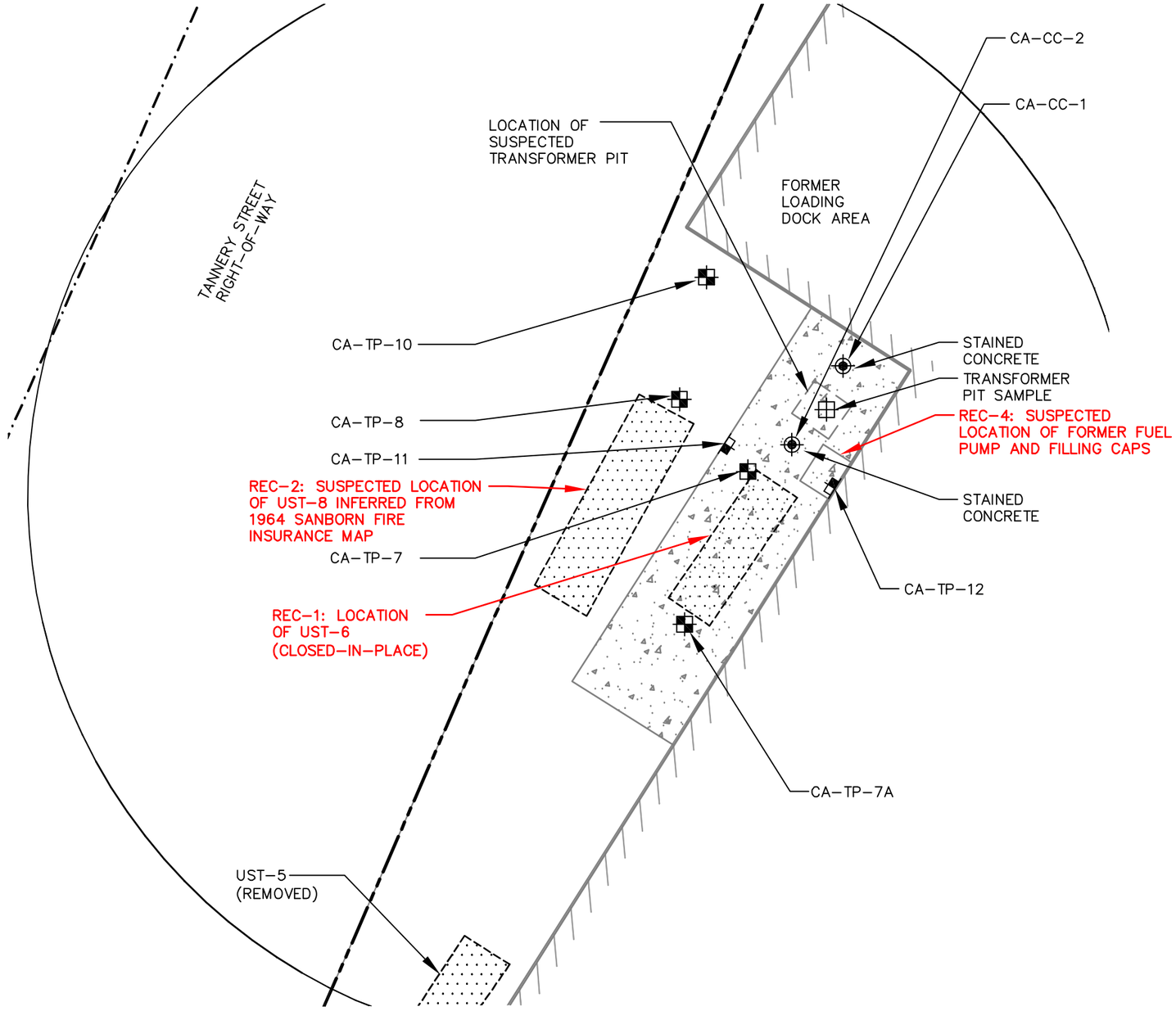


EXISTING FEATURES AND PREVIOUS WORK LEGEND

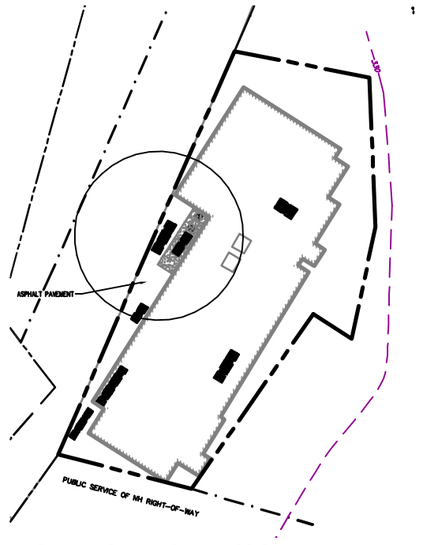
SYMBOL	DESCRIPTION
	SUBJECT PROPERTY BOUNDARY
	ABUTTER PROPERTY BOUNDARY
	RIGHT-OF-WAY
	EDGE OF PAVEMENT
	EXTENT OF REMAINING CONCRETE BUILDING SLAB
	CONCRETE PAD
	UNDERGROUND STORAGE TANK (REMOVED OR CLOSED IN-PLACE)

N

CREDERE

SAMPLE LOCATION LEGEND

SYMBOL	DESCRIPTION
	TEST PIT
	TEST PIT ADJACENT TO SLAB
	CONCRETE SAMPLE
	SURFICIAL SOIL SAMPLE



SUBJECT PROPERTY OVERVIEW
NTS

FIGURE 3
UST-6 AREA ENLARGEMENT PLAN

GRAPHIC SCALE
20 0 20
1 inch = 20 ft.

FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET
FRANKLIN, NH
NHDES #199902062

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CHECKED BY: RSV
DATE: 2/24/12
PROJECT: 10001086

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776 MAIN STREET
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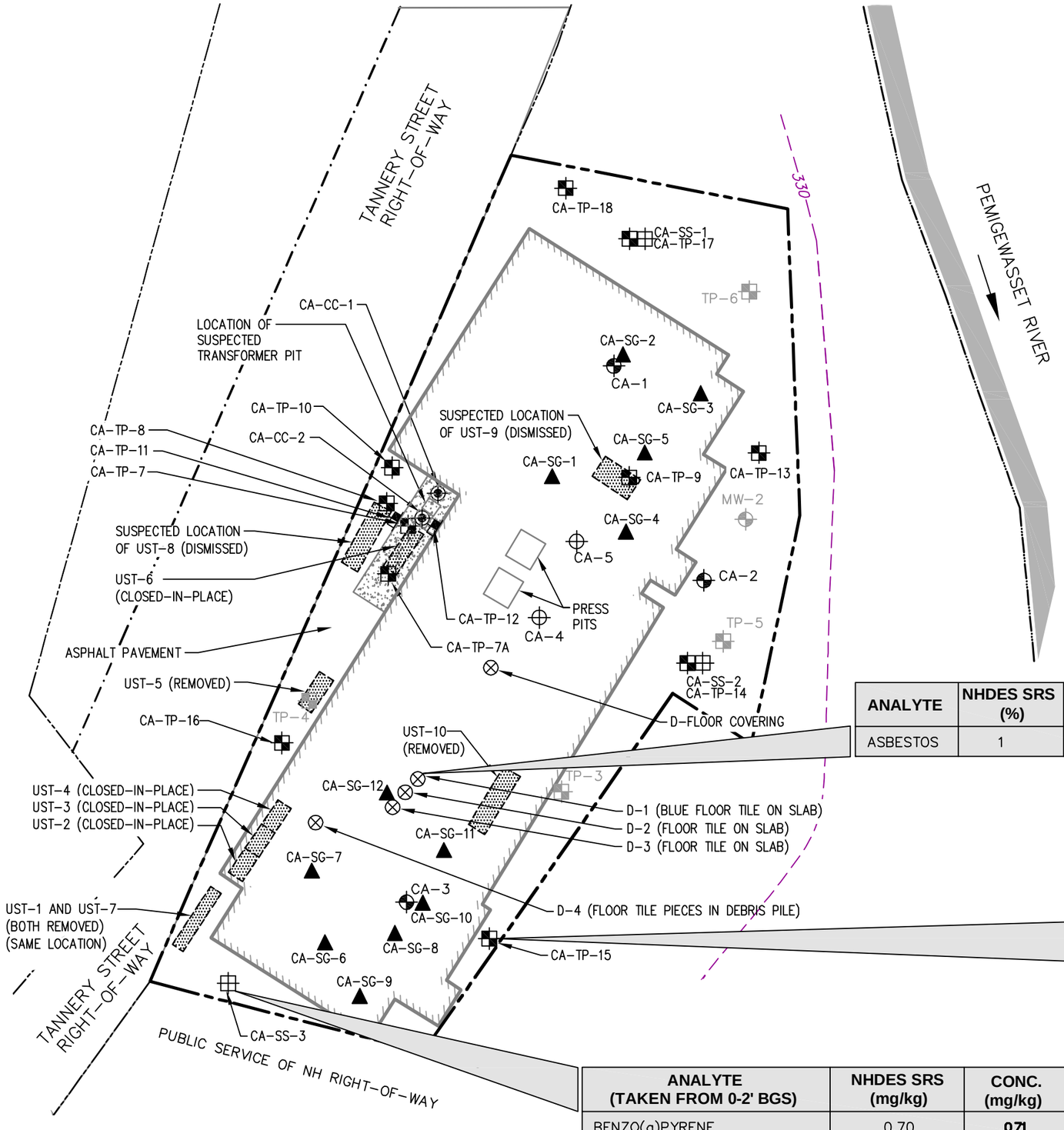

NOTES

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2. LOCATIONS AND SITE FEATURES DEPICTED ON THIS PLAN HAVE BEEN SURVEYED BY CREDERE ASSOCIATES.
3. ONLY ANALYTES DETECTED EXCEEDING THEIR APPLICABLE STANDARDS ARE DEPICTED ON THIS FIGURE. DATA FOR ALL ANALYTES AND LOCATIONS ARE SHOWN IN TABLES 5 AND 6.
4. ANALYTE CONCENTRATIONS SHOWN IN BOLD REPRESENT EXCEEDENCES OF THE APPLICABLE STANDARD.

N

CREDERE

EXISTING FEATURES AND PREVIOUS WORK LEGEND

SYMBOL	DESCRIPTION
	SUBJECT PROPERTY BOUNDARY
	ABUTTER PROPERTY BOUNDARY
	RIGHT-OF-WAY
330	APPROXIMATE ELEVATION CONTOUR
	EDGE OF RIVER
	EDGE OF PAVEMENT
	EXTENT OF REMAINING CONCRETE BUILDING SLAB
	CONCRETE PAD
	UNDERGROUND STORAGE TANK (REMOVED OR CLOSED IN-PLACE)

SAMPLE LOCATION LEGEND

SYMBOL	DESCRIPTION
	NEW MONITORING WELL
	EXISTING MONITORING WELL (DELTA)
	SOIL BORING
	SURFICIAL SOIL SAMPLE
	TEST PIT ADJACENT TO SLAB
	TEST PIT
	PREVIOUS TEST PIT (DELTA)
	SOIL GAS POINT
	DEBRIS PILE SAMPLE
	CONCRETE SAMPLE

SRS = SOIL REMEDIATION STANDARDS

ANALYTE	NHDES SRS (%)	CONC. (%)
ASBESTOS	1	**5**

ANALYTE (TAKEN FROM 0-2' BGS)	NHDES SRS (mg/kg)	CONC. (mg/kg)
BENZO(a)PYRENE	0.70	**0.71**

ANALYTE (TAKEN FROM 5-7' BGS)	NHDES SRS (mg/kg)	CONC. (mg/kg)
BENZO(a)ANTHRACENE	1.0	**80**
BENZO(b)FLUORANTHENE	1.0	**46**
BENZO(K)FLUORANTHENE	4.0	**80**
BENZO(a)PYRENE	0.70	**66**
INDENO(1,2,3-cd)PYRENE	1.0	**18**
DIBENZO(a,h)ANTHRACENE	0.70	**9.6**

FIGURE 4
SOIL AND BUILDING MATERIAL EXCEEDANCE LOCATION PLAN

GRAPHIC SCALE
60 30 0 60
1 inch = 60 ft.

FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET
FRANKLIN, NH
NHDES #199902062

DRAWN BY: WTE
CHECKED BY: RSV
DATE: 2/24/12
PROJECT: 10001086

CREDERE ASSOCIATES, LLC
776 MAIN STREET
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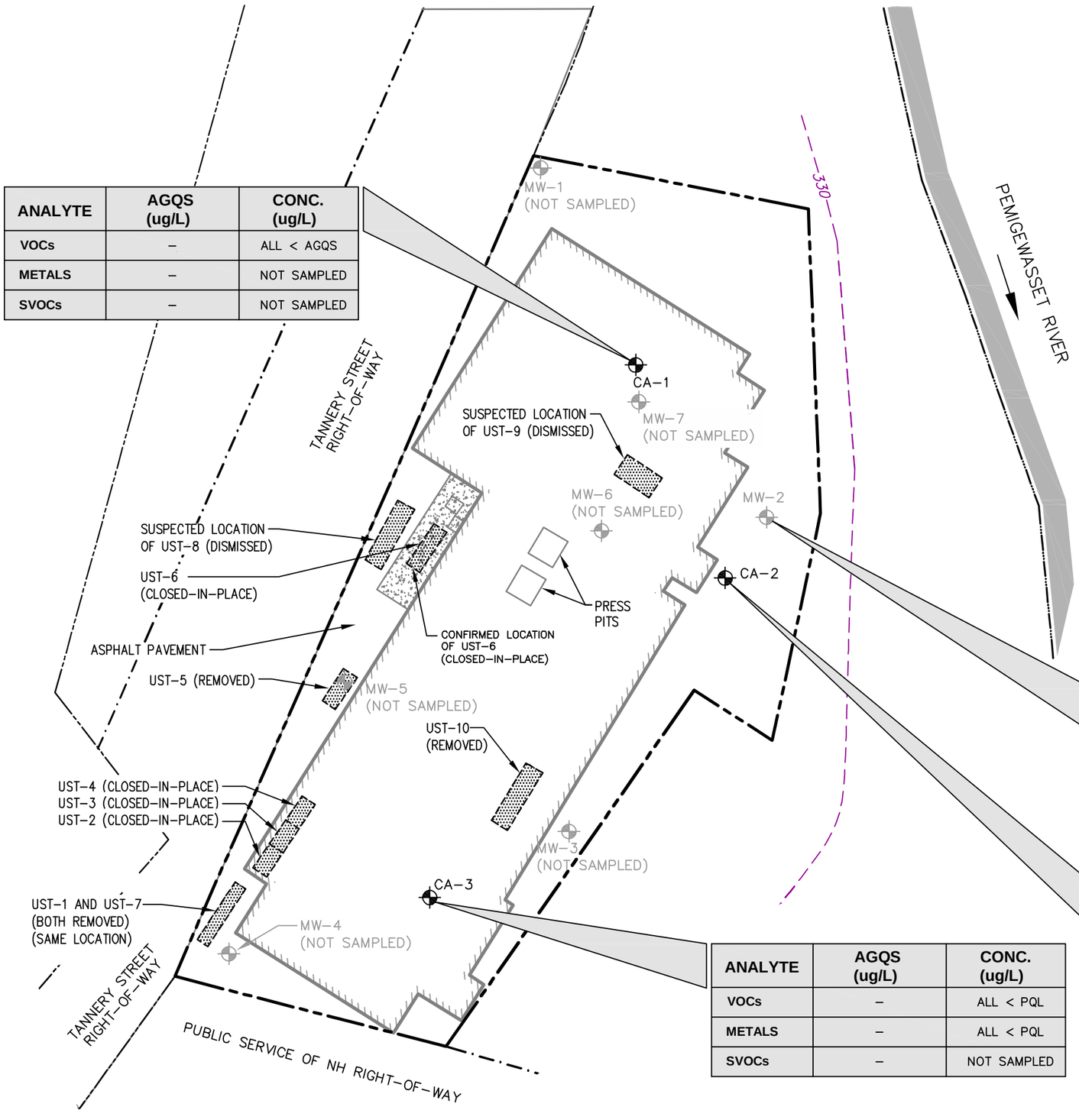

ANALYTE	AGQS (ug/L)	CONC. (ug/L)
VOCs	–	ALL < AGQS
METALS	–	NOT SAMPLED
SVOCs	–	NOT SAMPLED

ANALYTE	AGQS (ug/L)	CONC. (ug/L)
VOCs	–	ALL < PQL
METALS	–	ALL < PQL
SVOCs	–	NOT SAMPLED

NOTES

1. EXISTING CONDITION INFORMATION SHOWN ON THIS PLAN IS FROM A PLAN TITLED "FIGURE 5, SITE RECS" DATED APRIL 2011 BY NOBIS ENGINEERING, INC. (NOBIS) OF CONCORD NEW HAMPSHIRE AND FROM OBSERVATIONS AND MEASUREMENTS BY CREDERE DURING THIS PHASE II ESA.
2. LOCATIONS AND SITE FEATURES DEPICTED ON THIS PLAN HAVE BEEN SURVEYED BY CREDERE ASSOCIATES.
3. ANALYTE CONCENTRATIONS SHOWN IN BOLD REPRESENT EXCEEDENCES OF THE APPLICABLE STANDARD.

N

CREDERE

EXISTING FEATURES AND PREVIOUS WORK LEGEND

SYMBOL	DESCRIPTION
	SUBJECT PROPERTY BOUNDARY
	ABUTTER PROPERTY BOUNDARY
	RIGHT–OF–WAY
330	APPROXIMATE ELEVATION CONTOUR
	EDGE OF RIVER
	EDGE OF PAVEMENT
	EXTENT OF REMAINING CONCRETE BUILDING SLAB
	CONCRETE PAD
	UNDERGROUND STORAGE TANK (REMOVED OR CLOSED IN–PLACE)

SAMPLE LOCATION LEGEND

SYMBOL	DESCRIPTION
	MONITORING WELL
	EXISTING MONITORING WELL (DELTA)

ANALYTICAL RESULTS TABLE LEGEND

SRS = SOIL REMEDIATION STANDARDS
AGQS = AMBIENT GROUNDWATER QUALITY STANDARDS
PQL = LABORATORY PRACTICAL QUANTITATION LIMIT
VOCs = VOLATILE ORGANIC COMPOUNDS
SVOCs = SEMI–VOLATILE ORGANIC COMPOUNDS

ANALYTE	AGQS (ug/L)	CONC. (ug/L)
VOCs	–	ALL < PQL
LEAD	15	8
SVOCs	–	NOT SAMPLED

ANALYTE	AGQS (ug/L)	CONC. (ug/L)
VOCs		
TRIMETHYLBENZENE, 1, 2, 4–	330	**710**
ALL OTHER VOCs	–	ALL < AGQS
SVOCs	–	ALL < AGQS
METALS	–	ALL < AGQS

FIGURE 5
SUMMARY OF GROUNDWATER RESULTS PLAN

FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET
FRANKLIN, NH
NHDES #199902062

GRAPHIC SCALE
60 30 0 60
1 inch = 60 ft.

DRAWN BY: WTE
CHECKED BY: RSV
DATE: 2/24/12
PROJECT: 10001086

CREDERE ASSOCIATES, LLC
776 MAIN STREET
WESTBROOK, MAINE 04092
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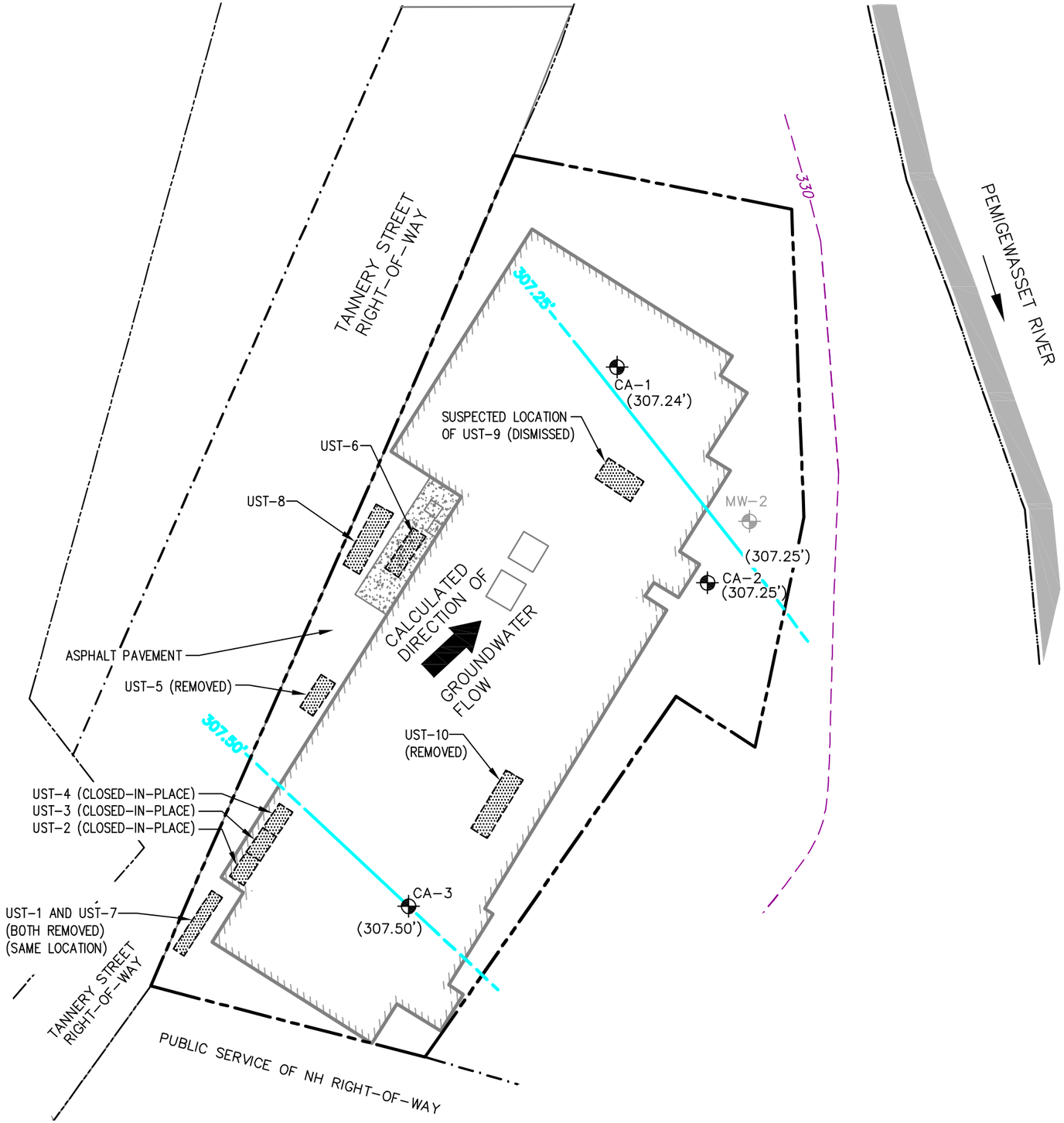

NOTES

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2. SAMPLING LOCATIONS DEPICTED ON THIS PLAN HAVE BEEN SURVEYED BY CREDERE ASSOCIATES.
3. GROUNDWATER CONTOURS ARE BASED ON ELEVATION MEASUREMENTS TAKEN ON JULY 5, 2011. ELEVATIONS ARE RELATIVE TO BENCHMARK MW-2 (334.89') DEPICTED IN DELTA'S 2008 PHASE II ESA FOR THE SITE.
4. HYDRAULIC GRADIENT IS EQUAL TO APPROXIMATELY 0.001 FT/FT.
5. GROUNDWATER MONITORING WELL PLACEMENT WAS BASED ON THE INITIAL INFERRED DIRECTION OF GROUNDWATER FLOW AND/OR TO INVESTIGATE RECs AND OTHER CONDITIONS OBSERVED DURING PHASE II PERFORMANCE.

N

CREDERE

EXISTING FEATURES AND PREVIOUS WORK LEGEND

SYMBOL	DESCRIPTION
	SUBJECT PROPERTY BOUNDARY
	ABUTTER PROPERTY BOUNDARY
	RIGHT-OF-WAY
330	APPROXIMATE TOPOGRAPHIC ELEVATION CONTOUR
	CALCULATED GROUNDWATER CONTOUR
	ASSUMED GROUNDWATER CONTOUR
	EDGE OF RIVER BANK
	EDGE OF PAVEMENT
	EXTENT OF REMAINING CONCRETE BUILDING SLAB
	CONCRETE PAD
	UNDERGROUND STORAGE TANK (REMOVED OR CLOSED IN-PLACE)

SAMPLE LOCATION LEGEND

SYMBOL	DESCRIPTION
	NEW MONITORING WELL
	EXISTING MONITORING WELL (DELTA)
(307.25')	GROUNDWATER ELEVATION CALCULATED FROM JULY 5, 2011 DEPTH TO WATER

FIGURE 6
JULY 5, 2011 GROUNDWATER ELEVATION CONTOUR PLAN

GRAPHIC SCALE
60 30 0 60
1 inch = 60 ft.

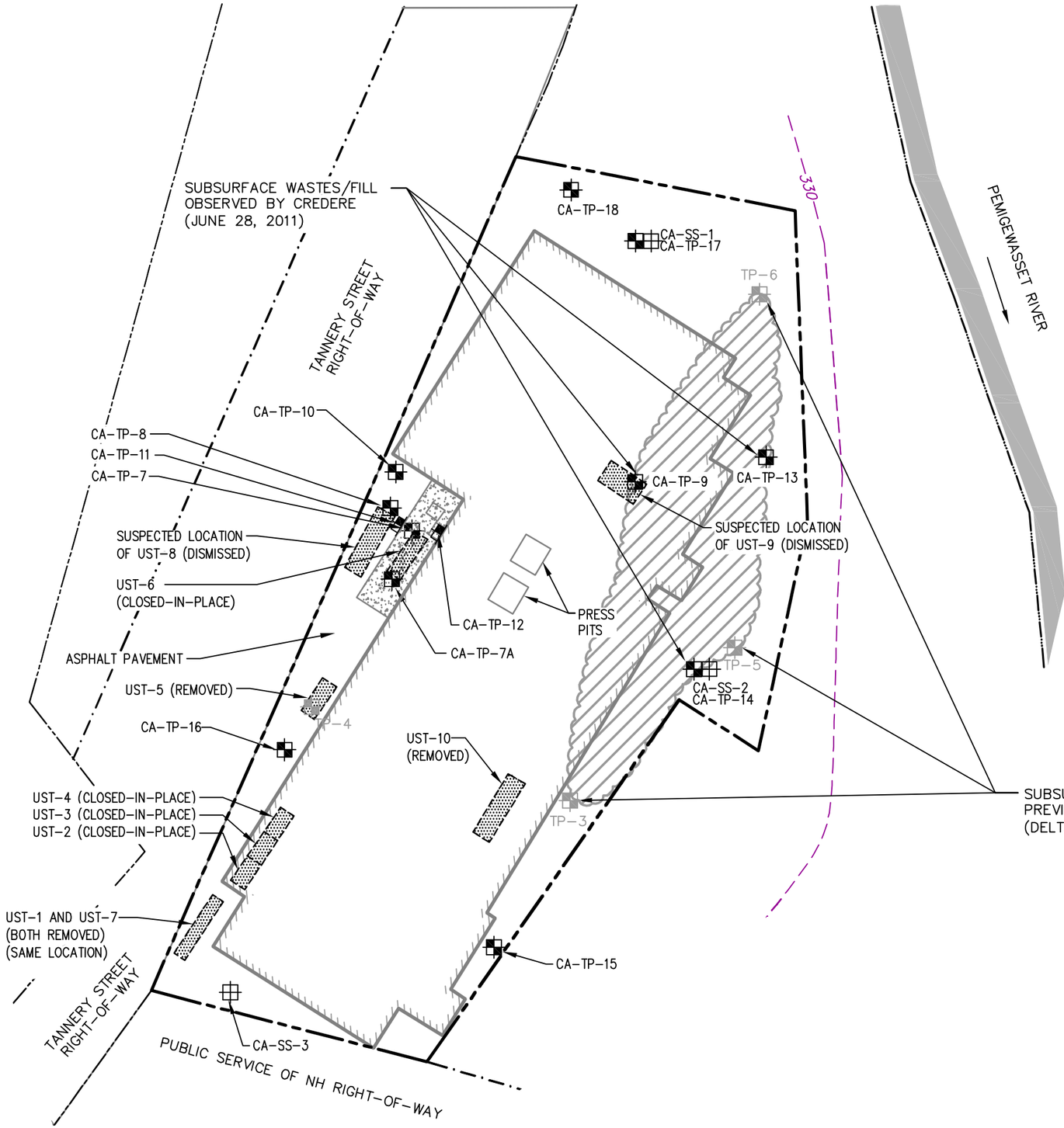
FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET
FRANKLIN, NH
NHDES #199902062

DRAWN BY: WTE
CHECKED BY: RSV
DATE: 2/21/12
PROJECT: 10001086

CREDERE ASSOCIATES, LLC
776 MAIN STREET
WESTBROOK, MAINE 04092
FAX: 207.887.1051
TEL: 207.828.1272
WWW.CREDERELLC.COM

Economy Community Environment

J:\CREDERE\10001086\Polyclad\dwg\10001086_PHASE II (2-17-2012).dwg plot date: 4/5/2012 10:43 AM



NOTES

1. EXISTING CONDITION INFORMATION SHOWN ON THIS PLAN IS FROM A PLAN TITLED "FIGURE 5, SITE RECS" DATED APRIL 2011 BY NOBIS ENGINEERING, INC. (NOBIS) OF CONCORD NEW HAMPSHIRE AND FROM OBSERVATIONS AND MEASUREMENTS BY CREDERE DURING THIS PHASE II ESA.
2. LOCATIONS AND SITE FEATURES DEPICTED ON THIS PLAN HAVE BEEN SURVEYED BY CREDERE ASSOCIATES.

EXISTING FEATURES AND PREVIOUS WORK LEGEND

SYMBOL	DESCRIPTION
	SUBJECT PROPERTY BOUNDARY
	ABUTTER PROPERTY BOUNDARY
	RIGHT-OF-WAY
330	APPROXIMATE ELEVATION CONTOUR
	EDGE OF RIVER
	EDGE OF PAVEMENT
	UNDERGROUND STORAGE TANK (REMOVED OR CLOSED IN-PLACE)
	EXTENT OF REMAINING CONCRETE BUILDING SLAB
	CONCRETE PAD
	AREA WITH OBSERVED BURIED TANNERY WASTE*

* EXTENT IS ESTIMATED BASED ON OBSERVED CONDITIONS AND MAY NOT BE REPRESENTATIVE OF AREAS NOT DIRECTLY ASSESSED DURING PHASE II ESA ACTIVITIES.

SAMPLE LOCATION LEGEND

SYMBOL	DESCRIPTION
	SURFICIAL SOIL SAMPLE
	TEST PIT
	PREVIOUS TEST PIT (DELTA)
	TEST PIT ADJACENT TO SLAB

N

CREDERE

GRAPHIC SCALE
60 30 0 60
1 inch = 60 ft.

FIGURE 7
BURIED TANNERY WASTE LOCATION PLAN

FORMER POLYCLAD LAMINATES SITE
45 TANNERY STREET
FRANKLIN, NH
NHDES #199902062

DRAWN BY: WTE | DATE: 2/24/12
CHECKED BY: RSV | PROJECT: 10001086

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Economy Community Environment

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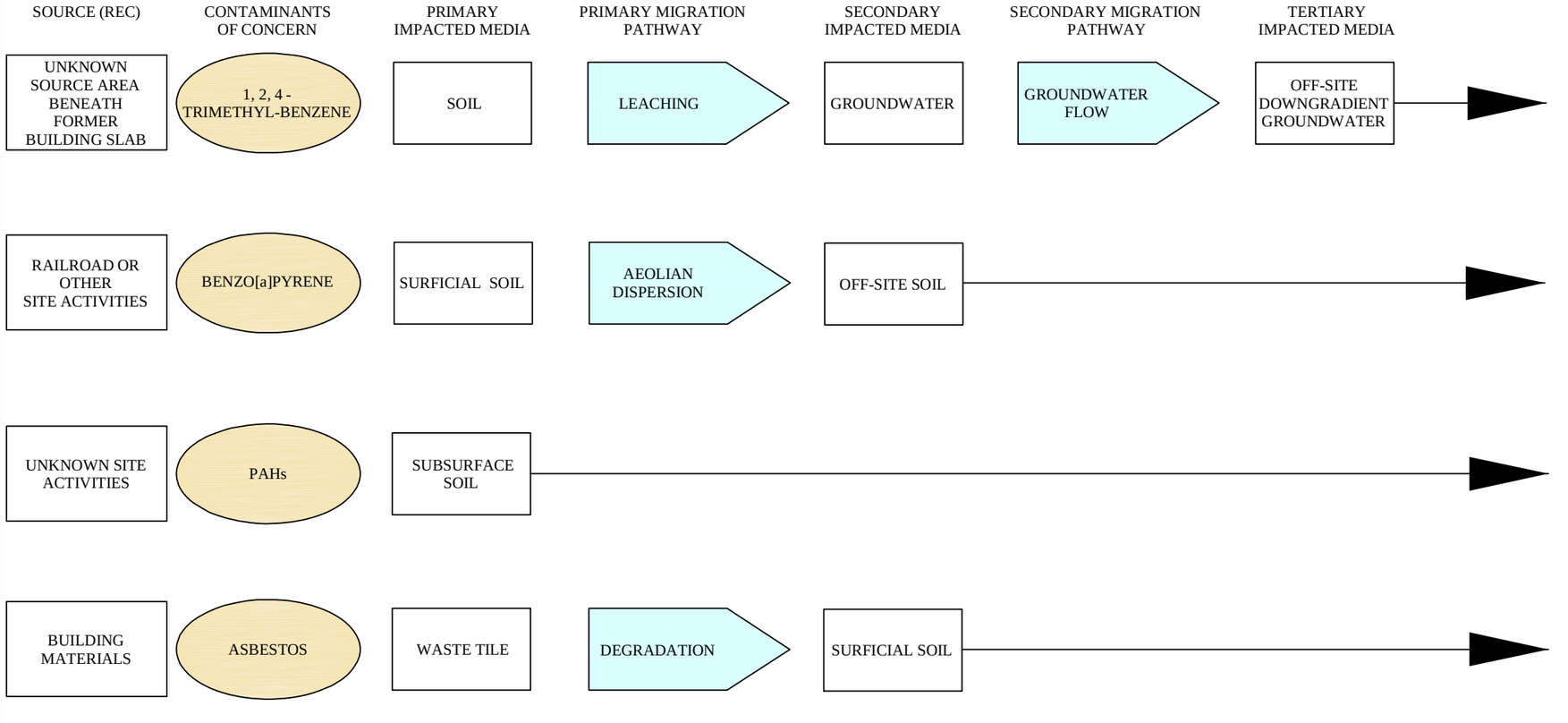

POTENTIAL EXPOSURE PATHWAYS

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
DERMAL ABSORPTION	NOT APPLICABLE		X			
ACTIVE INGESTION						
INHALATION						
INCIDENTAL UPTAKE			X			

POTENTIAL EXPOSURE PATHWAYS

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
DERMAL ABSORPTION	NOT APPLICABLE	X	X	X	X	
ACTIVE INGESTION					X	
INHALATION						
INCIDENTAL UPTAKE		X	X	X	X	

POTENTIAL EXPOSURE PATHWAYS

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
DERMAL ABSORPTION	NOT APPLICABLE		X			
ACTIVE INGESTION						
INHALATION						
INCIDENTAL UPTAKE			X			

POTENTIAL EXPOSURE PATHWAYS

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
DERMAL ABSORPTION	NOT APPLICABLE					
ACTIVE INGESTION						
INHALATION						
INCIDENTAL UPTAKE		X	X	X	X	

DRAWN BY: JBO	DATE: 2/24/2012
CHECKED BY: RSV/RIP	PROJECT: 10001086

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FIGURE 8
CONCEPTUAL SITE MODEL

FORMER POLYCLAD LANINATES SITE
45 TANNERY STREET
FRANKLIN, NH
NHDES #199902062

APPENDIX A

SITE-SPECIFIC QUALITY ASSURANCE PROJECT PLAN ADDENDUM

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

Type of Submittal (Check One-Most Applicable)

☐ Work Scope ☐ Reimbursement Request	☐ Remedial Action • Remedial Action Plan • Bid Plans and Specifications • Remedial Action Implementation Report ☐ Treatment System and POE O&M ☐ Activity and Use Restriction
☐ UST Facility Report ☐ AST Facility Report	
☐ Emergency/Initial Response Action ☐ Groundwater Quality Assessment	☐ Temporary Surface Water Discharge Permit
☐ Initial Site Characterization ☐ Site Investigation • Site Investigation Report • Supplemental Site Investigation Report • GMZ Delineation • Source Area Investigation • Data Submittal • Annual Summary Report ☒ Unsolicited Site-Specific Quality Assurance Project Plan Addendum ☐ Closure Documentation	☐ Groundwater Management Permit • Permit Application • Renewal Application • Deed Recordation Documentation • Abutter Notification Documentation • Release of Recordation ☐ Data Submittal ☐ Annual Summary Report

SITE SPECIFIC QUALITY ASSURANCE PROJECT PLAN ADDENDUM

Former Polyclad Laminates Property
45 Tannery Street
Franklin, New Hampshire
NHDES#199902062
Brownfields Grant #BF-96111801

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

Prepared By:
CREDERE ASSOCIATES, LLC
776 Main Street
Westbrook, ME 04902
Phone: (207) 828-1272 ext. 35
Contact: Richard Vandenberg, CG, PG

June 27, 2011

Recommended Risk Category (check one)

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

1. TITLE AND APPROVAL PAGE

SITE-SPECIFIC QUALITY ASSURANCE PROJECT PLAN (SSQAPP)
ADDENDUM TO GENERIC QAPP RFA #08166 AND #09036
Revision 0

Site Information:
Former Polyclad Laminates Property
45 Tannery Street, New Hampshire
New Hampshire Department of Environmental Services (NHDES) Site No. 199902062

Funding Source:
Lakes Region Planning Commission's (LRPC's) Brownfields Assessment Program
United States Environmental Protection Agency (EPA) Brownfields Grant # BF96111801

Prepared By:
Richard S. Vandenberg, CG, PG
Credere Associates, LLC
776 Main Street, Westbrook, Maine 04092
(207) 828-1272

Date Prepared:
June 27, 2011

Below is a listing of the names, titles, signatures, and signature dates of officials approving this SSQAPP:

M. Jerry Minor-Gordon — 6/28/11
Ms. Jerry Minor-Gordon — Date
USEPA Brownfields Project Officer

6-27-11
Mr. Robert Reinhart — Date
USEPA Quality Assurance Officer

6-27-11
Mr. John Liptak, M.Ed., P.G. — Date
Brownfields Project Manager

for Robert P Minicucci — 6/29/11
Mr. Vincent R. Perelli — Date
New Hampshire DES QA Manager

Richard S. Vandenberg — June 27, 2011
Mr. Richard S. Vandenberg, CG, PG — Date
Credere Associates, LLC Project QA Manager

Robert I Patten — June 27, 2011
Mr. Robert I Patten, PE, LEED-AP, LSP — Date
Credere Associates, LLC Project Manager

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FIGURES

TABLES

2. 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 Winnipesaukee 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 Environmental Site Assessments (ESAs) and may also potentially include the development of cleanup and reuse options for selected sites.

On behalf of LPRC's Brownfields Assessment Program, this document is a Site-Specific Quality Assurance Project Plan (SSQAPP) Addendum for the Former Polyclad Laminates Property located at 45 Tannery Street, Franklin, New Hampshire (the Site). **Figure 1** shows the general location of the Site in Franklin and **Figure 2** is Credere's Organization and Responsibility Chart for the project and **Figure 3** is a plan showing the locations of proposed sampling work.

This SSQAPP presents the following information:

1. A summary of the pertinent findings of the Phase I ESA
2. The potential redevelopment scenario for the Site
3. A conceptual site model
4. Credere's proposed sampling design including recommended sample locations, and analytical methods for proposed Phase II ESA activities
5. Credere's proposed field activity methodology
6. Regulatory standards applicable to the Site
7. A proposed project schedule

This SSQAPP was prepared to be used in concert with Credere Associates, LLC (Credere) Generic Quality Assurance Project Plan (QAPP) Rev. 2 (USEPA 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.

3. FINDINGS OF THE PHASE I ESA

A Phase I ESA was completed by Nobis Engineering, Inc. (Nobis) for the Site in April 2011. The Phase I ESA was conducted using EPA Brownfields funds under Brownfields Coalition Assessment Grant #RP-96128501 at the direction of the New Hampshire Department of Environmental Services (NHDES).

The following is a summary of the pertinent findings from the Phase I ESA:

3.1 SITE DESCRIPTION AND HISTORY

The Site is composed of a single vacant 1.97-acre parcel of land located at 45 Tannery Street in Franklin, New Hampshire, that is situated along the Pemigewasset River. The Site consists of a vacant lot with only the former building's concrete slab-on-grade foundation and a small pile of debris. **Figure 3** shows the former site building footprint and other pertinent Site features.

According to Nobis's Phase I ESA report, which was reviewed as a part of the development of this SSQAPP, the Site was first developed in 1892. By approximately 1930, the first building was constructed on the Site. The most recent building was demolished in 2008 after it collapsed due to heavy winter snow cover.

According to the Nobis Phase I ESA report, the Site appears to be have used for railroad purposes when the Boston & Maine and Bristol Rail Road transected the Site beginning in 1892. It is not clear when railroad activities ceased on the Site. However, records do show that the Hingston Leather Company, Inc. and Louis Verza Leather Company were using the Site for tannery activities beginning in the 1950's until the mid to late 1970's. Nobis indicated that there was very little environmental information available for the Site as it pertains to the former tannery operations.

Between 1979 and 1980, Polyclad Laminates, Inc. began operations on the Site. Polyclad Laminates, Inc. manufactured component materials used in multi-layered circuit boards called "pre-preg". The process involved dipping fiberglass cloth in a dip tank filled with epoxy resin. Polyclad Laminates used the Site for the manufacture of pre-preg from between 1979 and 1980 until around 2006.

3.2 OTHER DOCUMENTED PREVIOUS ENVIRONMENTAL WORK CITED BY NOBIS

The Nobis Phase I details the completion of several other investigations, which were completed outside the Brownfields due diligence process, likely as part of a previous effort to sell the Site. Documented previous works include the following:

1. A January 12, 1999 Underground Storage Tank (UST) Closure Report UST-1 prepared by Les A. Cartier and Associates, Inc.
2. A July 15, 1999 UST Closure Report UST-2, UST-3 and UST-4 prepared by Environmental Science & Engineering (ESE).
3. A 2005 Phase I Environmental Site Assessment and Limited Compliance Review prepared by Delta Consultants.
4. An April 10, 2008 Phase II Environmental Site Assessment prepared by Delta Consultants.
5. An October 15, 2008 UST Closure Report UST-7 and UST-10 prepared Delta Consultants.

The conditions identified by Nobis in **Section 3.4** below cumulatively considered all the above referenced previous investigations. Credere also reviewed and considered this cumulative work as a part of the development of this SSQAPP.

3.3 HISTORY OF TANKS AT THE SITE

The operational history of USTs is an important element in the environmental history of the Site. As result, the information below, as reported by Nobis in the April 2011 Phase I ESA, provides an inventory of the USTs which have been identified at the Site. Additional details concerning UST history can be reviewed in the previously submitted Nobis Phase I ESA.

UST ID	Capacity (gallons)	Material Held	Current Status
UST -1	6,000	Methyl Cellosovle	Removed, 1998
UST-2	4,500	CS 350 Acetone	Closed in-place, 1998
UST-3	4,500	Epoxy Resin	Closed in-place,1999
UST-4	6,000	CS 350 Acetone	Closed in-place, 1999
UST-5	4,000	Gasoline	Removed, date uncertain.
UST-6	12,000	Fuel Oil	Closed in-place, date uncertain
UST-7	13,500	Epoxy Resin	Removed 2008
UST-8	4,000	Fuel Oil	Approximate location from 1964 Sanborn Map
UST -9	4,000	Fuel Oil	Approximate location under slab from 1929 Sanborn Map
UST-10	8,000	Waste Petroleum Distillates	Removed 2008

3.4 IDENTIFIED RECOGNIZED ENVIRONMENTAL CONDITIONS

The following is a summary of the *recognized environmental conditions* (RECs) that were identified by Nobis and reported in their April 2011 Phase I ESA for the Site:

1. The presence of a 12,000-gallon fuel oil UST (identified as UST-6) that is located in the vicinity of the loading dock and was closed in-place (date uncertain) represented a REC.

2. The potential presence of a reported 4,000-gallon fuel oil UST (identified as UST-8) shown on a Sanborn Map, represented a REC because the presence of this tank has not been confirmed and no documentation regarding closure of the tank or information on the integrity of the tank was identified during the Phase I ESA.

3. The potential presence of a reported 4,000-gallon fuel oil (identified as UST-9) shown on a Sanborn Map, represented a REC because the presence of this tank has not been confirmed and no documentation regarding closure of the tank or information on the integrity of the tank was identified during the Phase I ESA.

4. Due to the potential for undocumented past releases to the environment, Nobis identified a REC associated with presence of a former gasoline dispenser and a number of filling caps formerly located in the vicinity of former UST-6 because these items may have been associated with additional undocumented USTs in this area, and documentation regarding the removal of this dispenser or the disposition of related piping with respect to potential releases has not been confirmed.

5. The presence of a sheen of degraded gasoline previously noted in 2008 in monitoring well MW-2 for which a source was not identified, represents a REC due to the potential for an unidentified source of petroleum contamination to be present at the Site. [Note: According to a Phase II Environmental Site Assessment Report prepared by Delta Consultants on April 10, 2008, previous sampling data collected in 2007 indicates that no VOCs, metals or polychlorinated biphenyls (PCBs) were detected in excess of New Hampshire Soil Remediation Standards (SRS) in a soil sample collected (30 to 32 feet) during drilling of this well and no volatile organic compounds (VOCs) or semi-volatile organic compounds (SVOCs) were detected in excess of Ambient Groundwater Quality Standards (AGQS) in the groundwater sample collected from this well. However, a petroleum sheen was noted during sampling of the groundwater and the tentatively identified compounds (TICs) noted during laboratory analysis revealed that the sheen was likely gasoline.]

6. The potential that a subsurface structure identified during a GPR survey east of the former building, which was concluded to be a former concrete septic tank, represents a REC because of the potential for previous undocumented subsurface storage or disposal of hazardous substances and/or petroleum products in and around this structure.

7. The presence of buried waste related to the previous usage of the Site as a tannery represents a REC because the understanding of the extent and disposition of the waste (leather waste or unsuitable materials) is limited and may have lead to improper disposal of hazardous substances.

8. Nobis concluded that because of the potential for undocumented releases of hazardous substances in the past or in the future, pipes that were previously noted emitting unknown solvent odors and elevated total volatile organic readings in the former chemical mixing room in the southwestern portion of the building, represented a REC because the source of these odors (which may be a formerly closed in-place acetone tank) is not known.

9. Two former press pits located within the manufacturing slab that are stained with petroleum represent a REC and they have not been fully assessed.

10. A pile of unknown debris located on the southwestern portion of the Site that is consistent with demolition debris represents a REC for its potential to contain waste ACM, lead-based paint [and other contaminants].

3.5 OTHER POTENTIAL ENVIRONMENTAL CONDITIONS

Based on review of the April 2011 Nobis Phase I ESA, Credere offers the following list of other potential environmental conditions:

1. Nobis documented that the Site was previously used for railroad activities beginning as early as 1892. Nobis concluded that this past use of the Site represented a *de minimus condition* because any contaminants from this past use would likely be deemed a background condition. Credere agrees with this assertion, but it is our opinion that non-point source background type releases of polycyclic aromatic hydrocarbons (PAHs), which would be considered the primary contaminants of concern, still represent a threat to human health if they exceed applicable NHDES soil standards and should be addressed as a part of future redevelopment of the Site. Therefore, it is our opinion that this past use should be assessed as a part of this Phase II ESA.

2. Nobis indicated in the Phase I ESA that a data gap in the form of snow cover was noted during the Site Reconnaissance portion of their work. Given that the ground could not be observed, confirmation of exterior surface conditions is warranted prior commencing Phase II ESA field work because additional RECs may be identified that require assessment. As a result, a supplemental Site Reconnaissance is recommended as the first task of this Phase II ESA.

3. A former electrical transformer was located on the west side of the building. No information was noted in the previous reports regarding the potential presence of polychlorinated biphenyl's (PCBs) in the transformer. However, considering the timeframe when this transformer would have been in operation, it may have contained

PCBs. For this reason, the potential presence of PCBs is a concern that should be considered.

4. POTENTIAL REDEVELOPMENT SCENARIO

The City of Franklin has partnered with LRPC to assess the Site so that the City can redevelop the Site into a new Water Department Building or other related municipal use.

5. CONCEPTUAL SITE MODEL

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

5.1 CONTAMINANTS OF CONCERN

Based on the findings of the Phase I ESA, the following potential COCs were identified for each of the RECs identified at the Site:

Table 1 - Potential Contaminants of Concern (COCs)

REC	REC Nickname	COCs	Potential Source
REC-1	UST-6	Volatile Organic Compounds (**VOCs**) **PAHs** Total Petroleum Hydrocarbons (**TPH**)	Fuel oil releases from the closed in-place 12,000 gallon UST (UST-6)
REC-2	UST-8	**VOCs PAHs TPH**	Fuel oil releases from the potential presence of a 4,000 gallon UST (UST-8) that was documented on a 1964 Sanborn Map.
REC-3	UST-9	**VOCs PAHs TPH**	Fuel oil releases from the potential presence of a 4,000 gallon UST (UST-9) that was documented on a 1929 Sanborn Map.
REC-4	Filling Caps and Dispenser near UST-6	**VOCs Lead (Pb)**	Gasoline from past releases related to the use of filling caps, a dispenser, and undocumented USTs.
REC-5	Degraded Gasoline in MW-2	**VOCs Pb**	Gasoline from an undocumented source.
REC-6	Concrete Septic Tank	**VOCs** Semi-volatile Organic Compounds (**SVOCs**) **PCBs RCRA 8 Metals (Ag, As, Ba, Cd, Cr, Hg, Pb, and Se) Plus Zn, Cu and Ni)**	Tannery and multi-layered board manufacturing operational waste disposed of in the septic system and released to the environment.
REC-7	Buried Tannery Waste	**VOCs PAHs RCRA 8 Metals (Ag, As, Ba, Cd, Cr, Hg, Pb, and Se) Plus Zn, Cu, and Ni**	Leaching of contaminants from tannery wastes disposed outside around the building.
REC-8	Solvent Odor Emitting Pipe in Chemical Mixing Room	**VOCs**	Acetone releases from a pipe that may lead to a previously closed in-place tank.

Table 1 - Potential Contaminants of Concern (COCs)			
REC	**REC Nickname**	**COCs**	**Potential Source**
REC-9	Press Pits	**VOCs** **SVOCs** **TPH** **PCBs** **RCRA 8 Metals (Ag, As, Ba, Cd, Cr, Hg, Pb, and Se) Plus Zn, Cu, and Ni**	Releases of tannery and/or multi-layered board manufacturing waste through the press pits.
REC-10	Building Waste Debris Pile	**Lead** Asbestos Containing Materials (**ACMs**) **PCBs**	Building materials containing hazardous substances.
Other	Rail road Use of Site	**PAHs**	Non-point sources releases associated with past rail road activities on the Site.
Other	Transformer	**PCBs**	Former Electric Transformer on the west side of the building.

5.2 GEOLOGY, STORM WATER FLOW, AND GROUNDWATER FLOW

The Site is located near the west bank of the Pemigewasset River in a developed area of Franklin, New Hampshire. The eastern adjoining property between the Site and river is currently undeveloped. Area topography generally slopes east towards the river. Storm water at the Site likely follows surficial topography and is directed into the river.

Soil boring data contained in reports that were reviewed as a part of the Phase I ESA indicate that soil beneath the Site consists of a mixture of sand and gravel fill material with some areas of tannery waste (hides) noted on the east side of the Site. A fine to medium light brown to dark brown sand horizon is present below the fill horizon. The water table was identified between 28 and 30 feet below the surface.

5.3 DEFINITIONS OF EXPOSURE PATHWAYS AND POTENTIAL RECEPTORS

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

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

- Inhalation: This pathway is primarily associated with groundwater where petroleum contaminated groundwater is within 30 feet (horizontally or vertically), or non-petroleum contaminated groundwater is within 100 feet (horizontally or vertically) of an occupied structure, 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 Site. The receptor categories for this project described in the CSM include the following:

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

- Site Worker: Site workers are present at the Site 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.

Based on known history of the Site, the identified contaminants of concern may have been released to the environment through surficial and subsurface releases associated with previous industrial usage, filling with tannery waste, the degradation of potentially hazardous building materials, and previous bulk petroleum storage. Primary impacted media at the Site include surficial and subsurface soil, and groundwater.

Contaminants present in surficial soil may migrate through aeolian dispersion and impact off-site receptors, or they may affect subsurface conditions through infiltration and leaching. Similarly, releases which have impacted subsurface soil conditions have the potential to infiltrate and leach to the overburden groundwater aquifer. Following the redevelopment of the Site, impacted groundwater presents a potential risk to indoor air conditions through contaminant migration via vaporization and diffusion.

Human receptors identified for the Site include future commercial workers at the Site, site workers (i.e. construction workers, etc.), and visitors. Also, current and future potential environmental receptors include the Pemigewasset River and terrestrial and aquatic biota.

Exposure pathways to commercial workers at the site and visitors potentially include dermal absorption and incidental ingestion during routine activities. An inhalation exposure pathway also may exist for commercial workers through vapor intrusion. Site construction workers may be exposed through dermal absorption, inhalation, and incidental ingestion during excavation activities. Terrestrial and aquatic biota are potentially exposed through active ingestion of impacted groundwater; however, the active ingestion pathway does not currently nor is expected to pose a potential future pathway for human receptors, as the Site and adjacent properties in the vicinity are served by municipal water.

6. SAMPLING DESIGN

The following section describes the proposed work to be conducted to confirm or dismiss each REC and includes the number of samples that will be collected during the Phase II ESA sampling program along with the proposed analysis. Proposed sample locations are depicted on **Figure 3** and sampling methodologies are described in **Section 7**. Detailed descriptions of laboratory methods are included on attached **Table 2**.

REC-1: This REC will be assessed by first conducting a ground penetrating radar (GPR) survey of the area thought to contain the closed in-place 12,000-gallon fuel oil UST (UST-6) to determine its exact location. One test pit (CA-TP-7) will be dug immediately adjacent to the tank (**Figure 3**). During test pit activities, removed soil will be field screened with a properly calibrated photoionization detector (PID) at 1 to 2 foot depth intervals. Multiple test pits may be needed next to the tank to thoroughly evaluate the condition of the soil around it. One soil sample will be collected from the test pit (and interval) exhibiting the highest PID measurement. If PID measurements indicate that little to no residual VOCs are present, then a sample will be collected from adjacent to the tank, but at the same level as the bottom of the tank. For this and all in-place tanks that are being evaluate via test pit work, please note that Credere will consider the position of the tank when digging test pits. If the tank appears to be tipped (i.e. not horizontal), then Credere will direct the digging of the test pit along the deepest side or end. The collected soil sample will be sent to Absolute Resource Associates, LLC (Absolute Resource) of Portsmouth, NH to be analyzed for VOCs, PAHs, and TPH.

REC-2: This REC will be assessed by first conducting a GPR survey of the area thought to contain the 4,000-gallon fuel oil UST (UST-8) to determine its location. If the tank has not been removed, one test pit (CA-TP-8) will be dug immediately adjacent to the tank to assess the condition of the soil adjacent to the tank (**Figure 3**). Similar to above, multiple test pits may be needed next to the tank to thoroughly evaluate the condition of the soil around it. If the tank appears to have been removed and the tank grave can be discerned, Credere will install the test pit directly in the center of the perceived tank grave. During test pitting, removed soil will be field screened with a properly calibrated PID. One soil sample will be collected from the test pit (and interval) exhibiting the highest PID measurement. If PID measurements indicate that little to no residual VOCs are present, then a sample will be collected from adjacent to the tank, but at the level of the bottom of the tank. The collected soil sample will be sent to Absolute Resource to be analyzed for VOCs, PAHs, and TPH.

REC-3: This REC will be assessed by first conducting a visual inspection for evidence (e. g. fill, vents, concrete scars) of UST-9, a 4,000-gallon fuel oil UST. If the visual survey proves unsuccessful, a GPR survey will be conducted to locate it. If the tank has not been removed, portions of the concrete slab will be removed and one test pit (CA-TP-9) will be dug immediately adjacent to the tank to assess the condition of the soil

adjacent to the tank (**Figure 3**). Multiple test pits may be needed next to the tank to thoroughly evaluate the condition of the soil around it. If the tank appears to have been removed and the tank grave can be discerned, Credere will install the test pit directly in the center of the perceived tank grave. During test pitting, removed soil will be field screened with a properly calibrated PID at 1 to 2 foot depth intervals. One soil sample will be collected from the test pit (and interval) exhibiting the highest PID measurement. If PID measurements indicate that little to no residual VOCs are present, then a sample will be collected from adjacent to the tank, but at the level of the bottom of the tank. The collected soil sample will be sent to Absolute Resource to be analyzed for VOCs, PAHs, and TPH.

If a tank or evidence of tank is not identified during this work, five shallow soil probes (CA-SG-1 to CA-SG-5) will be installed through the concrete slab to collect soil gas to determine if the vadose zone under the slab has been impacted by contamination from the tank (i.e. looking for light component of fuel oil - naphthalene). The collected soil gas will be analyzed with a properly calibrated PID equipped with an 11.7 electron volt lamp. If this work reveals that volatile organics are present, one soil gas sample will be sent to Columbia Analytical for VOC analysis to identify the number and type of VOCs present. In this scenario, Credere will then install a boring (CA-1) adjacent to the soil gas probe exhibiting the highest result. During drilling, if field screening results indicate that soil contamination appears to extend down to the water table, then a groundwater monitoring well would be installed at this location. A groundwater sample will be collected to assess the groundwater for VOCs. In the absence of detectable concentrations of VOCs and other direct evidence of a tank, Credere will rely on groundwater quality data collected from MW-2 (which will be sampled as a part of assessing REC-5) to assess the potential for a source area of contamination to be present as part of this REC.

REC-4: The REC associated with the 'fill caps and dispenser' will be assessed by first conducting a GPR survey and/or electronic line tracing to determine if any tanks remain associated with this equipment. If this proves unsuccessful, then the filling caps will be dug up and manually traced. If a tank or tanks are identified associated with the fill caps, two test pits (CA-TP-10 and CA-TP-11) will then be dug adjacent to the tanks in a fashion similar to that described for REC-1, REC-2, and REC-3. For the purposes of this investigation, Credere has assumed that two tanks will be found and one test pit will be dug next to each. However, Credere also anticipates that one additional test pit will be dug in the location of the former dispenser (CA-TP-12). During test pitting, removed soil will be field screened with a properly calibrated PID at 1 to 2 foot intervals. Only the soil sample collected from each test pit (and interval) exhibiting the highest PID measurement will be sent to the laboratory. If PID measurements indicate that little to no residual VOCs are present, then one sample will be collected from the fill/native soil interface below the dispenser or the perceive level of bottom of any tank or tank grave(s). All collected soil samples will be sent to

Absolute Resource and analyzed for VOCs and lead. If no evidence of tanks are identified in this area, then only the one test pit (CA-TP-12) will be dug.

REC-5: The REC associated with the degraded gasoline identified in existing monitoring well MW-2 will be assessed in the following fashion:

1) Collect a groundwater sample from existing monitoring well MW-2 using low flow sampling techniques and analyze it for VOCs and dissolved lead.

Depending on the results of work conducted to assess REC-3, one of the following two paths will be taken to further evaluate REC-5 if the presence of degraded gasoline is confirmed in monitoring well MW-2.

2) Credere will evaluate field data collected from soil probes (CA-SG-1 to CA-SG-5) and monitoring well CA-1 to help locate the potential gasoline source for the MW-2 contamination. The results of this evaluation will be included in the Phase II ESA along with a specific recommendation for future work, if needed.

3) If the soil probes and upgradient monitoring well work was not completed as a part of the assessment of REC-3, then Credere will install five soil gas probes (CA-SG-1 to CA-SG-5) to locate the gasoline source under the building slab upgradient from MW-2, if it is present. Monitoring well CA-1 will be installed in the perceived area of highest VOC contamination based on field screening. CA-1 will be installed upgradient of MW-2 even if the soil gas results do not show the presence of a soil gas source under the building. As indicated as a part of the investigation of REC-3, one soil gas sample collected from the soil probes and will be sent to the laboratory for VOCs analysis. In addition, one soil sample will be collected from CA-1 and submitted to the laboratory for analysis of TPH, VOCs, and lead by EPA 200.7/6010 and one groundwater sample will be collected from CA-1 and submitted to the laboratory for VOCs and dissolved lead by EPA 200.7/6010.

REC-6: The REC associated with the suspected concrete septic tank will be assessed by first conducting a GPR survey to locate the tank. Once the tank is located, a test pit (CA-TP-13) will be dug immediately adjacent to the tank. Multiple test pits may be needed next to the tank to thoroughly evaluate the condition of the soil around it. During test pitting, removed soil will be field screened with a properly calibrated PID and X-Ray Fluorescence Meter (XRF) at 1 to 2 foot depth intervals. However, only one soil sample will be collected from the test pit (and interval) exhibiting the greatest evidence of contamination [visually, olfactory, PID and/or XRF measurement]. In the absence of evidence of contamination, the sample will be collected from adjacent to the tank, but at the level of the bottom of the tank. The collected soil sample will be sent to Absolute Resource to be analyzed for VOCs, SVOCs, PCBs and RCRA 8 Metals plus Zn, Cu, and Ni. In addition, if present, one (1) sample of sludge will be collected from the tank and analyzed for VOCs, SVOCs, PCBs, and RCRA 8 Metals plus Zn, Cu, and Ni. This sample will be field screened as described above.

The test pit work will help assess if there are pipes directed towards an old leachfield or discharge area. Additional geophysical work may be conducted to trace out the observed discharge line. At the terminus of the discharge, a boring (CA-2) will be drilled by T&K Drilling. During drilling, soils will be screened in the field via a properly calibrated PID and XRF. These samples will be visually inspected for evidence of contamination. In addition, the soil sample exhibiting the highest PID measurement or greatest visual extent of contamination, during drilling will be sent to the laboratory for analysis of VOCs, SVOCs, PCBs, and RCRA 8 metals. The boring will be finished in the water table and a monitoring well will be constructed to allow for the collection of a groundwater sample at this location. Groundwater will be collected from this location and will be analyzed for VOC, SVOCs, and dissolved RCRA 8 Metals plus Zn, Cu, and Ni. However, no PCB samples will be collected from the groundwater because we do not expect this parameter to dissolve in groundwater.

REC-7: The REC related to the presence of buried tannery waste (hides) will be assessed by first conducting a GPR survey to define, if possible, the horizontal extent of waste on the Site. Following the completion of GPR, up to five test pits (CA-TP-14 to CA-TP-18) will be dug to confirm the GPR results and to define the vertical limits of waste observed. Two of these test pits will be dug near the northern property boundary to determine if these wastes extend off-site. During test pitting, soil will be visually screened and evaluated with a properly calibrated PID and XRF. One representative soil sample from each test pit will be collected for laboratory analysis. Soil in direct contact with tannery waste will be selected to represent a worst case scenario. Samples will be sent to the Absolute Resource for VOCs, PAHs, and RCRA 8 Metals plus Zn, Cu and Ni.

REC-8: The REC associated with the pipes in the former chemical mixing room that was previously emitting solvent odors will be assessed by installing six (6) sub-slab soil gas probes (CA-SG-6 to CA-SG-11) to determine if past or present solvents being emitted are impacting the vadose zone beneath the concrete slab with VOCs. Locations CA-SG-6 to CA-SG-11 will be installed to evaluate this REC. Representative soil gas will be removed from each soil gas point and screened in the field with a properly calibrated PID. The sample with the highest PID measurement will sent to the laboratory for VOC analysis to determine the number and type of VOCs present. In addition, any piping present on-Site noted near closed in-place UST#2 would be field screened with a PID for evidence of solvent emission. If this data shows that the source of the solvent odors is likely a previously closed in-place tank, then a recommendation to remove the tank will be made in the Phase II ESA Report. A soil boring and monitoring well (CA-3) will be installed to assess the impact to Site soil and groundwater adjacent to the soil gas probe location that exhibited the highest field screening results. CA-3 will be installed at the location shown on **Figure 3** if no vapor source is identified during the soil probe work. This work will include appropriate

field screening as described above and the collection of one (1) soil sample and one (1) groundwater sample for laboratory VOC analysis.

REC-9: The REC associated with the press pits will be assessed by advancing two (2) soil shallow borings (CA-4 and CA-5) through the concrete bottom of the pits. Soil samples will be collected directly under the concrete slab to determine if substances added to the pit have released to the soil beneath the pits. Collected samples will be field screened with a PID and grab samples will be collected from both borings and laboratory analyzed for TPH, VOCs, RCRA 8 Metals plus Zn, Cu, and Ni, SVOCs, TPH, and PCBs.

REC-10: The REC associated with the debris pile identified on the concrete slab by Nobis will be assessed by collecting representative building material samples (Debris-1, etc.) and analyzing them for lead, asbestos, and PCBs. To accomplish this work, Credere will retain the services of Absolute Resources because the pile likely contains asbestos and sampling of the waste must be accomplished in accordance with NHDES requirements.

OTHER: Due to snow cover present during Nobis's Phase I Site Reconnaissance, the first task of this Phase II ESA will be to perform a supplemental Site Reconnaissance so that the ground can be viewed for evidence of RECs. If additional RECs are identified, the work plan will be revised and reapproved.

The former use of the Site for rail road activities will be assessed in two parts:

1) Credere will review available topographic maps and other historic sources to determine the former location of the rail road activities on-Site, and
2) Collect three (3) surficial samples (CA-SS-1, CA-SS-2, and CA-SS-3) from this area and analyzing them for PAHs. The locations shown on **Figure 3** are approximate and once research is completed the location of these surficial soil samples will be moved to the former rail-road right-of-way. If it cannot be location of the former right-of-way determined, the locations depicted on **Figure 3** will be sampled.

The former use of the of a potential PCB containing transformer on the west side of the Site building will be assessed by collecting two concrete samples of the transformer pad from immediately adjacent to the former transformer's location and analyzing them for PCBs.

Credere considered the collection of a background soil sample from the Site for metals and PAH analysis, but in order to be valid this would have to be from an area likely not impacted by previous site activities. Because all areas of the Site may have been impacted by previous historical site uses, no background sample is specified for this Phase II ESA. A background study with nearby off-site sampling may be recommended if the soil appear to be impacted by metals and/or PAHs within expected background ranges. However, during soil sampling work

the on-site geologist will be evaluating all collected soil samples for evidence of anthropogenic and native minerals that may present in samples because they could affect the laboratory results. These findings of this work will be discussed in our Phase II Report. Additional detail on what the field geologist will be looking for in soil samples is discussed in **Section 7**.

Table 2 includes the number and type of samples that are proposed be collected, cross-referenced with the appropriate standard operating procedure (SOP) that will be used from Credere's Generic QAPP. The data collected from these activities will serve as the basis for evaluating the Site conditions and will determine if any additional subsurface investigation and/or remedial actions are necessary. **Figure 3** shows the proposed locations where media will be collected. Requirements relative to Chain of Custody, Data Management and Documentation, Data Validation, and Data Usability Assessments contained in the Generic QAPP will be followed.

7. FIELD ACTIVITY METHODOLOGY

Field activity methodologies for assessing the RECs and other potential environmental concerns are summarized in the following subsections. Field activities will be conducted in accordance with the SOPs included in Credere's Generic QAPP Rev. 2 (USEPA RFA #08166 and #09036) and the rationale discussed in **Section 6**. Where field observations and/or field screening results indicate the presence of additional source areas or potentially impacted media, additional exploration locations or samples may be added to determine the horizontal and/or vertical extent of contamination. The number and locations of these additional soil samples or exploration locations 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 2**. If Credere determines these additional sample locations should be tested for analytes not described in **Table 2**, the USEPA QA Manager will be contacted, and pending the outcome of the communication, an email update will be provided to the USEPA describing the additional sample analysis, methods and SOPs.

7.1 GPR SURVEY AND ELECTRONIC TRACING

DigSmart of Maine, Inc. will conduct the GPR survey and will perform the work in accordance with the CREDERE SOP #007 provided in the generic QAPP.

7.2 SOIL BORINGS, TEST PITTING, SURFICIAL SOIL SAMPLING, AND FIELD SCREENING

Soil samples will be collected from soil borings and test pits in accordance with NHDES SOP HWRB-11 for soil sampling. Soil borings will be completed using hollow stem auger methodologies. During soil boring advancement, soil samples will be continuously collected in 2-foot split spoon samplers. During test pitting, soil samples will be collected from each approximate 2-foot depth interval. Each soil sample will be individually logged, and evidence of contamination will be noted. If changes in strata occur (e.g. a transition from sand to clay), the sample may be appropriately divided or additional samples may be collected and individually logged. To assist with the data evaluation, the field geologist will note the presence of materials that may affect laboratory soil sample results on the logs. These materials include:

- Presence or absence of mineral soils (i.e. pyrite or other likely arsenic bearing minerals as well as abundant micas)
- Presence or absence of asphalt
- Presence or absence of coal clinkers, coal ash or wood ash

Each collected soil sample will then be field screened for total VOCs using a photoionization detector (PID) in accordance with NHDES SOP HWRB-12. The PID will be calibrated with a 100 part per million by volume (ppm_v) isobutylene gas and a response factor of 1.0. Soil

samples collected for laboratory analysis of VOCs will be collected and preserved in accordance with NHDES SOP VOCs/Soil-2000.

Each soil sample will also be field screened for RCRA-8 metals with an Innov-X® Alpha 4000 portable X-ray fluorescence meter (XRF) in accordance with Maine DEP SOP DR#025. Because this is a screening level event to determine which, if any, metals are present in Site soil, samples will be screened directly in the collected polybags. Prior to XRF screening, sample bags will be kneaded to homogenize the soil.

Soil samples will be collected in accordance with NHDES SOP HWRB-11. Surficial soil samples from soil borings will be collected from the 0 to 2 foot below ground surface (bgs) interval. Surficial soil samples collected from hand dug locations will be collected from the 0 to 1 foot bgs interval. In each case, asphalt and base materials, landscaping materials, and other organic detritus will be removed prior to sampling.

Subsurface soil samples will be selected based on the sampling rationale discussed in **Section 6**. In general, subsurface soil samples will be selected based on the highest PID field screening result for VOCs, where visual or olfactory observations of contamination are observed, or from the depth of the water table interface if no other indicators of contamination are noted.

7.3 MONITORING WELL INSTALLATION AND SURVEY

7.3.1 Monitoring Well Installation and Development

As discussed in **Section 6**, selected soil borings will be completed as groundwater monitoring wells per EPA SOP EPASOP#2048. Unless Site conditions (e.g. shallow bedrock or confining layers) warrant modified well construction, each monitoring well will be installed using 2.0-inch PVC well materials including a well point or cap installed to span the water table, 10 feet of 0.010-inch slotted pipe, and solid pipe to grade. Washed No. 1 size silica sand will be placed around the slotted pipe to an elevation approximately two (2) feet above the slotted pipe to establish a well annulus. At least one (1) foot of bentonite chips will be placed on top of each well annulus to prevent stormwater infiltration into the wells. Each well will then be completed to grade with a flush mounted road box protected by a minimum of a 1-foot by 1-foot concrete pad. Each monitoring well will be developed by over pumping and agitation, and then allowed to equilibrate for at least two weeks prior to sampling.

7.3.2 Rod and Level Survey

Following installation, each monitoring well will be surveyed with a rod and level to determine the top of well and ground elevation at each location in accordance with ASTM E 1364-95. The monitoring wells will be tied to the existing monitoring well network at the Site and the west adjoining property.

7.4 GROUNDWATER SAMPLING

Prior to sampling, the depth to groundwater will be measured (and the presence of free floating product will be noted) in each groundwater monitoring well in accordance with NHDES SOP HWRB-1 to allow for the calculation of groundwater elevations and the determination of groundwater flow direction and gradients. Each monitoring well will then be sampled using low-flow sampling techniques and dedicated equipment in accordance with NHDES SOP HWRB-9. Each groundwater sample will be collected directly in laboratory glassware and will be submitted for off-site laboratory analysis.

7.5 SOIL GAS SAMPLING

NHDES's July 2006 Vapor Intrusion Guidance will be consulted for the installation of soil gas points and collection of representative soil gas samples. However, because this work is for evaluating sources of contaminants, not evaluating for vapor intrusion, we plan to deviate from the guidance and install points just beneath the concrete slab which is closer to the suspected source elevation. Probes will be situated 1 to 2 feet beneath the slab. Probes will be installed with a properly decontaminated hand held hammer drill. Once in place, probes will be sealed in place with modeling clay. To ensure that valid soil gas samples are collected as part of assessment, the use of a tracer compound may be used to assess for surface/annular seal leaks around the top of the soil gas probe. Before representative samples are collected between 1 and 5 purge volumes of soil gas will be removed from each probe. Samples will be evaluated in the field with a properly calibrated PID. Laboratory samples will be send to Columbia Analytical Laboratories for TO-15 Analysis for VOCs.

7.6 BUILDING MATERIAL DEBRIS SURVEYS

A NHDES certified asbestos inspector will be contracted to perform an asbestos survey of the debris pile at the Site. During the asbestos survey, samples will be collected from each suspect media (i.e. piping insulation, flooring, ceiling tiles) in accordance with NHDES Certified Administrative Rule ENV-1800: Asbestos Management Control. Asbestos samples will be submitted to a State approved laboratory for asbestos analysis by polarized light microscopy (PLM) by USEPA 600/R-93/116.

Based on the age of the building, there is the potential for lead-based paint and PCB building materials to have been used in the former building and may be present in the remaining debris pile. As a result, the building debris pile will be sampled for lead and PCBs using the laboratory analysis listed on **Table 2**.

8. REGULATORY STANDARDS

Sample results will be compared to the applicable state and/or federal standards/guidelines described below.

8.1 SOIL

Concentrations in soil samples will be compared to New Hampshire's Soil Remediation Standards (SRS) 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. If standards or guidelines do not exist, action levels will be triggered if the sample analytical results exceed available published background levels. Please note that concentrations of total chromium identified at the Site will be compared to the SRS for hexavalent chromium as this elemental oxidation state is the applicable toxilogical driver.

8.2 GROUNDWATER

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.

8.3 SOIL GAS

Soil gas sample results will not be compared to any NHDES or EPA standard because the results are being used to determine if a source or sources of VOCs are present beneath the slab. Moreover, no building currently exists at the Site or within 100 feet of the slab so data collected will only be used to determine the type of VOCs present and to locate borings and monitoring wells.

8.4 ACM

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 Site will result in the definition of such bulk materials as ACM.

8.5 LEAD-BASED PAINT

Concentrations of lead in paint as determined through the use of a XRF analyzer will be compared to a limit of 1.0 mg/cm^2 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.

8.6 PCB BULK PRODUCTS

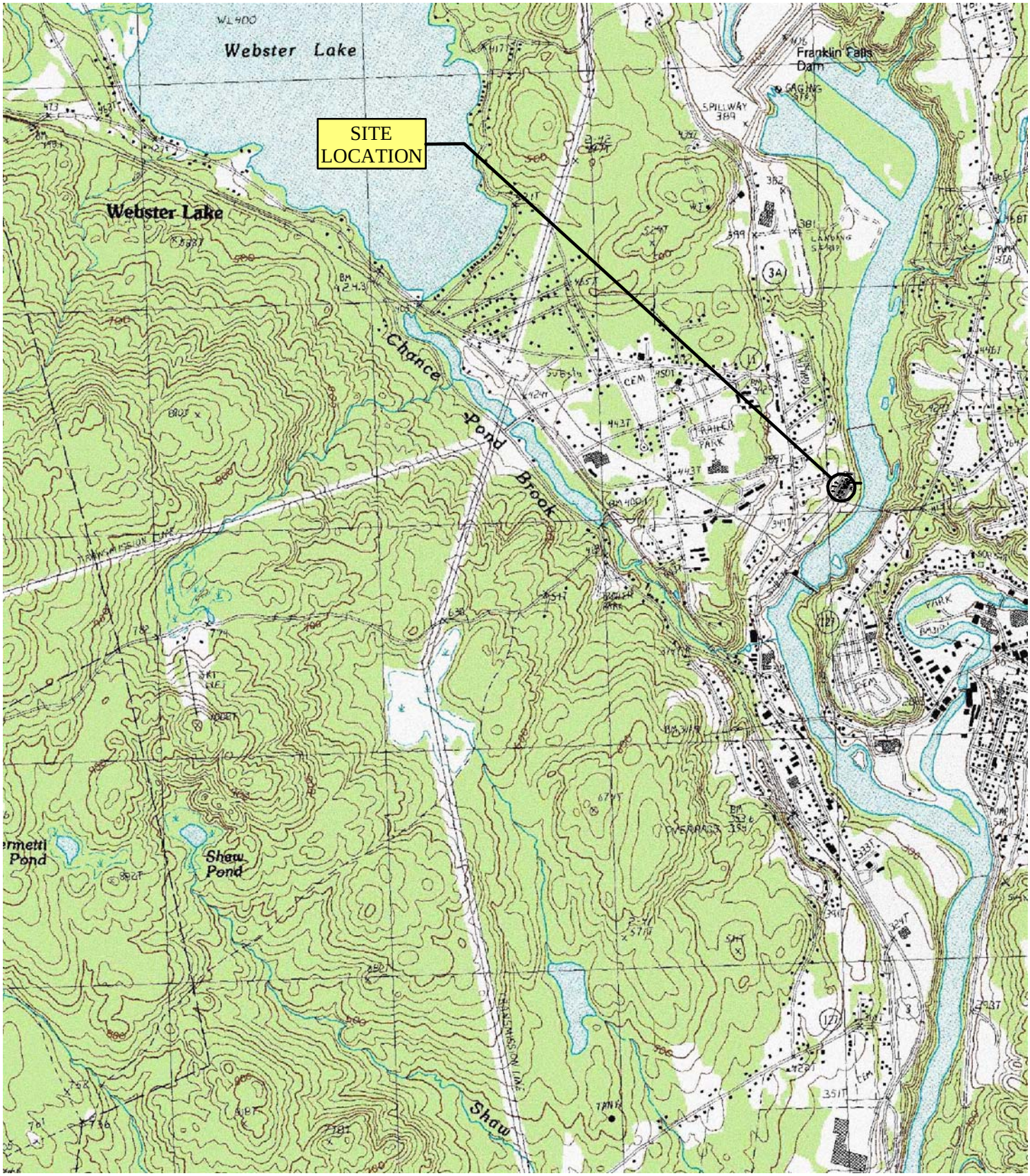
Building materials that have been analyzed to contain concentrations of total PCBs equal to or in excess of 50 ppm are defined as a PCB bulk product waste in accordance with 40 CFR 761.3. These materials are regulated for disposal under 40 CFR 761.62. Materials that have been analyzed to contain total PCBs at a concentration of equal to or greater than 1 ppm but less than 50 ppm are not regulated by the Toxic Substance Control Act (TSCA) for disposal as long as they remains in use. However, if this material is removed from use, such as through demolition, they must be disposed of at a facility that is licensed to accept this waste. Building materials which have been analyzed to contain total PCBs at a concentration of less than 1 ppm are unrestricted for future use and/or disposal.

9. PROPOSED PROJECT SCHEDULE

The following schedule is proposed for the Phase II ESA activities at the Site:

DATE	ACTION
Week of June 27, 2011	Finalize SSQAPP
Week of June 28, 2011	Implement Field Program
Week of July 7, 2011	Receive Laboratory Analytical Data
Week of July 30, 2011	Submit Draft Phase II ESA Report
Week of August 14, 2011	Submit Final Phase II ESA Report

FIGURES



USGS 7.5 MINUTE FRANKLIN, NH QUADRANGLE (1987)

DRAWN BY:SWC/JRN	DATE: 12/14/10
CHECKED BY:RSV/JSS	PROJECT: 10001086

FIGURE 1 - SITE LOCATION PLAN

CREDERE ASSOCIATES, LLC
776 MAIN STREET
WESTBROOK, MAINE 04092
TEL: 207.828.1272
FAX: 207.887.1051
WWW.CREDERELLC.COM

FORMER POLYCLAD LANINATES, INC
PROPERTY
45 TANNERY STREET
FRANKLIN, NH
NHDES #199902062

GRAPHIC SCALE
2,000 0 1,000 2,000
1 inch = 2,000 ft.

N

CREDERE

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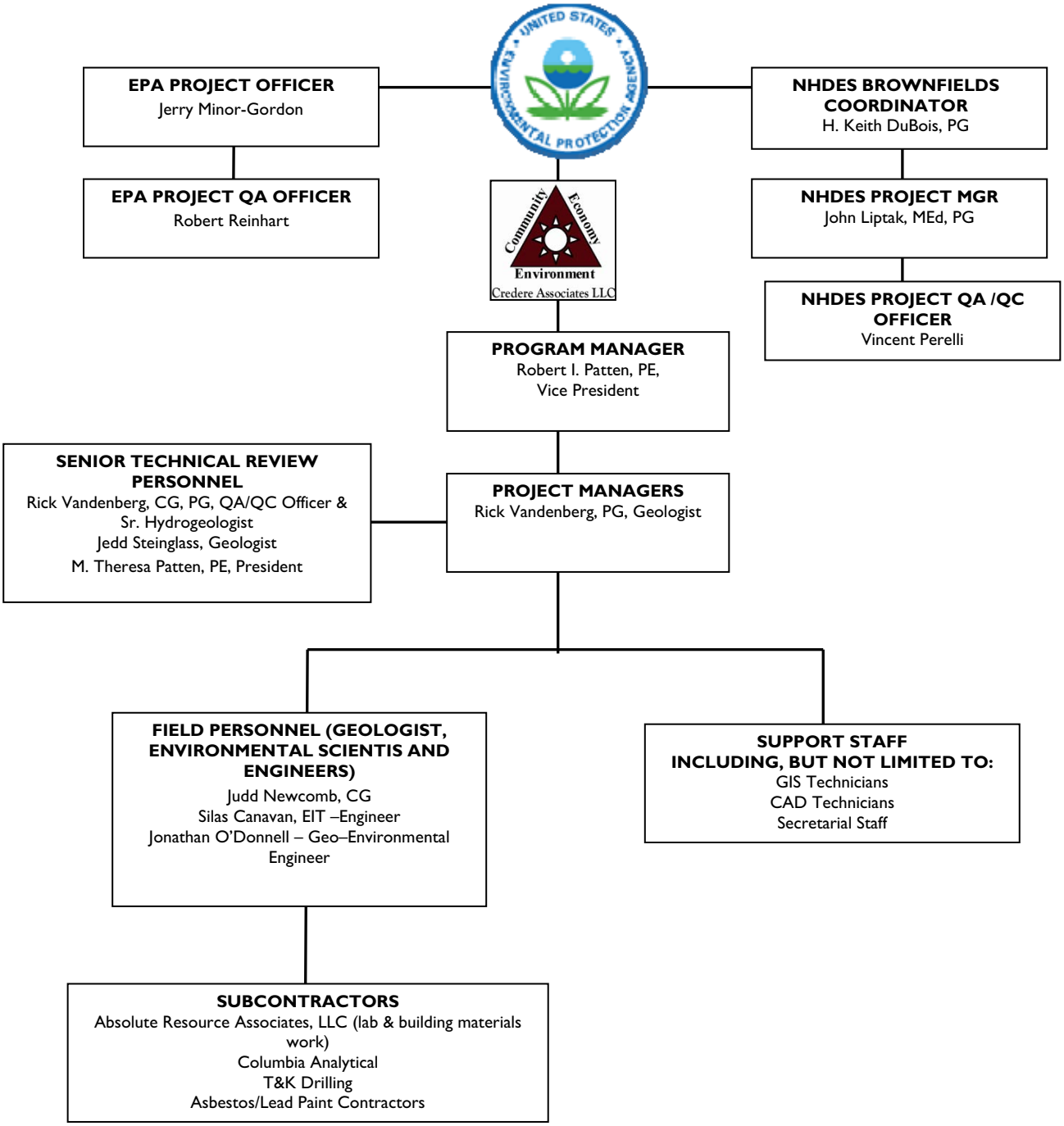
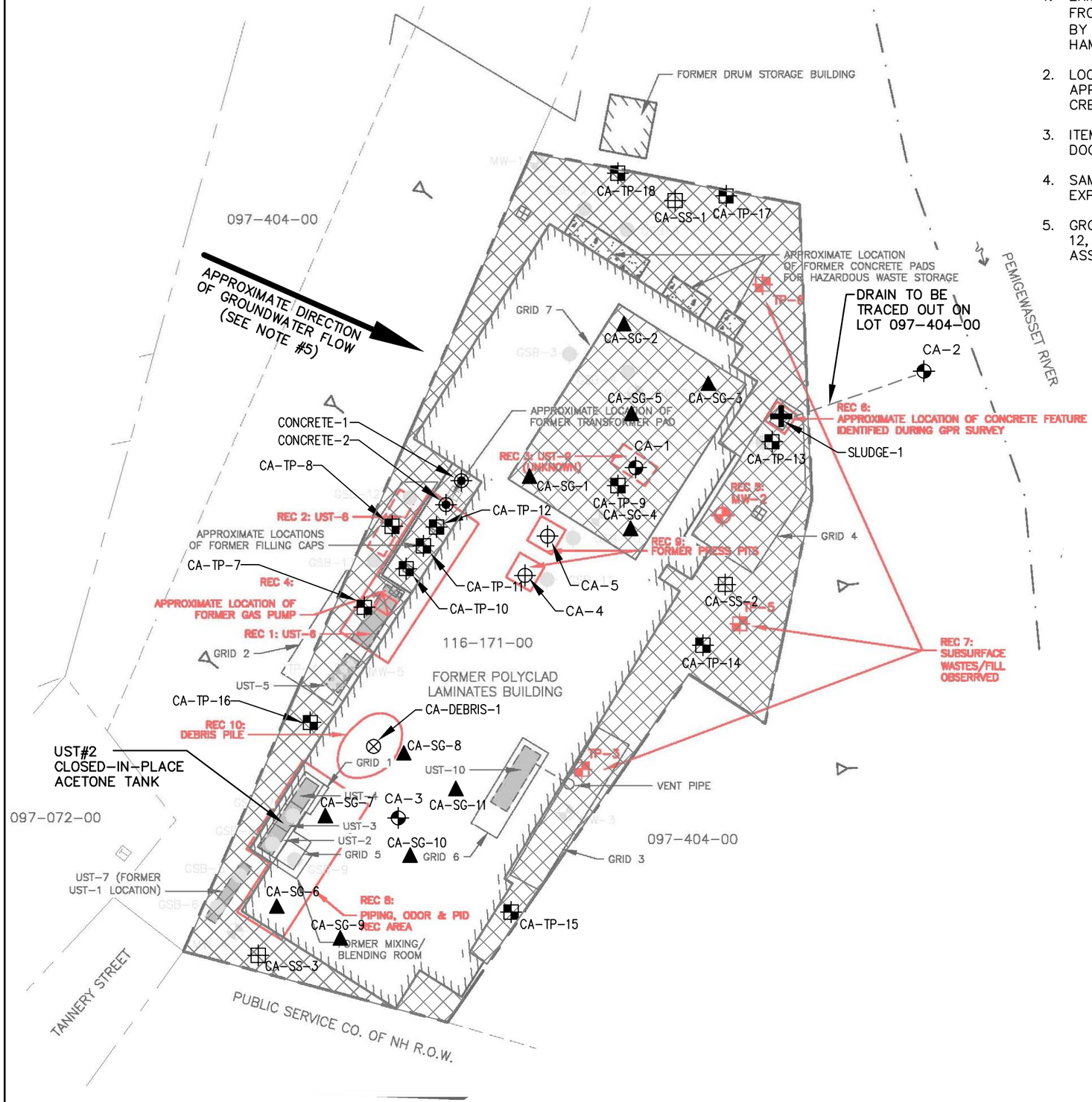
Figure 2: Credere Organization and Responsibility Chart





NOTES:

1. EXISTING CONDITION INFORMATION SHOWN ON THIS PLAN IS FROM A PLAN TITLED "FIGURE 5, SITE RECS" DATED APRIL 2011 BY NOBIS ENGINEERING, INC. (NOBIS) OF CONCORD NEW HAMPSHIRE.
2. LOCATIONS AND SITE FEATURES DEPICTED ON THIS PLAN ARE APPROXIMATE AND HAVE NOT BEEN FIELD-VARIFIED BY CREDERE ASSOCIATES.
3. ITEMS SHOWN IN RED ARE RECS DISCUSSED IN THE PHASE I DOCUMENT PREPARED BY NOBIS ON APRIL 11, 2011.
4. SAMPLE LOCATIONS MAY BE ADJUSTED. SEE SSQAPP TEXT FOR EXPLANATION.
5. GROUNDWATER FLOW DIRECTION WAS TAKEN FROM THE APRIL 12, 2008 DELTA CONSULTANTS PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT.

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CREDERE

EXISTING FEATURES AND PREVIOUS WORK LEGEND

SYMBOL	DESCRIPTION
	PROPERTY BOUNDARY
	OTHER PROPERTY LINE
	EASEMENT
	STREAM/RIVER
116-171-00	MAP AND LOT NUMBER
	RIVER FLOW DIRECTION
	FORMER TRANSFORMER PAD
	CATCH BASIN
	SLOPE
MW-1	MONITORING WELL (2008)
TP-1	TEST PIT (2008)
GSB-1	SOIL BORING (2008)
	APPROXIMATE GPR SURVEY GRID LOCATION
	FORMER UST LOCATION (CONFIRMED)
	FORMER UST LOCATION (UNCONFIRMED)

PROPOSED SAMPLE WORK LOCATION LEGEND

SYMBOL	DESCRIPTION
	MONITORING WELL
	SOIL BORING
	SURFICIAL SOIL SAMPLE
	TEST PIT
	SOIL GAS POINT
	DEBRIS PILE SAMPLE
	CONCRETE SAMPLE
	SLUDGE SAMPLE FROM TANK
	LIMIT OF GROUND PENETRATING RADAR SURVEY

FIGURE 3
PROPOSED PHASE II SAMPLE LOCATION PLAN

GRAPHIC SCALE
60 30 0 60
1 inch = 0 ft.

FORMER POLYCLAD LANINATES, INC PROPERTY
45 TANNERY STREET
FRANKLIN, NH
NHDES #199902062

DRAWN BY: SWC
CHECKED BY: RSV
DATE: 5/5/11
PROJECT: 10001086

CREDERE ASSOCIATES, LLC
776 MAIN STREET
WESTBROOK, MAINE 04092
FAX: 207.887.1051
TEL: 207.828.1272
WWW.CREDERELLC.COM

Economy Community Environment

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SOURCE (REC)	CONTAMINANTS OF CONCERN	PRIMARY MIGRATION PATHWAY	PRIMARY IMPACTED MEDIA	SECONDARY MIGRATION PATHWAY	SECONDARY IMPACTED MEDIA	TERTIARY MIGRATION PATHWAY	TERTIARY IMPACTED MEDIA
REC-1 UST-6	VOCs PAHs TPH	PAST RELEASES OF FUEL FROM TANK	SUBSURFACE SOIL	INFILTRATION AND LEACHING	GROUNDWATER	ADVECTION / DISPERSION IN GROUNDWATER	PEMIGEWASSET RIVER
REC-2 UST-8	VOCs PAHs TPH	PAST AND FUTURE RELEASES OF FUEL FROM TANK	SUBSURFACE SOIL	INFILTRATION AND LEACHING	GROUNDWATER	ADVECTION / DISPERSION IN GROUNDWATER	PEMIGEWASSET RIVER
REC-3 UST-9	VOCs PAHs TPH	PAST AND FUTURE RELEASES OF FUEL FROM TANK	SUBSURFACE SOIL	INFILTRATION AND LEACHING	GROUNDWATER	ADVECTION / DISPERSION IN GROUNDWATER	PEMIGEWASSET RIVER
REC-4 FILLING CAPS AND DISPENSER NEAR UST-6	VOCs LEAD	RELEASES FROM DISPENSER AND/OR TANK PIPING AND/OR UNDOCUMENTED TANKS	SUBSURFACE SOIL	INFILTRATION AND LEACHING	GROUNDWATER	ADVECTION / DISPERSION IN GROUNDWATER	PEMIGEWASSET RIVER
REC-5 DEGRADED GASOLINE IN MW-2	VOCs LEAD	RELEASES FROM UNKNOWN SOURCE	SUBSURFACE SOIL	INFILTRATION AND LEACHING	GROUNDWATER	ADVECTION / DISPERSION IN GROUNDWATER	PEMIGEWASSET RIVER
REC-6 CONCRETE SEPTIC TANK	VOCs, SVOCs, PCBs, Cd, Cr, Ag, As, Cu, Zn, Ni	RELEASES FROM TANK / LEACHFIELD	SUBSURFACE SOIL	INFILTRATION AND LEACHING	GROUNDWATER	ADVECTION / DISPERSION IN GROUNDWATER	PEMIGEWASSET RIVER

POTENTIAL EXPOSURE PATHWAYS (REC-1)

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
INHALATION						
DERMAL ABSORPTION			X		X	X
ACTIVE INGESTION					X	X
INCIDENTAL INGESTION			X			

POTENTIAL EXPOSURE PATHWAYS (REC-2)

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
INHALATION						
DERMAL ABSORPTION			X		X	X
ACTIVE INGESTION					X	X
INCIDENTAL INGESTION			X			

POTENTIAL EXPOSURE PATHWAYS (REC-3)

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
INHALATION						
DERMAL ABSORPTION			X		X	X
ACTIVE INGESTION					X	X
INCIDENTAL INGESTION			X			

POTENTIAL EXPOSURE PATHWAYS (REC-4)

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
INHALATION		X	X	X	X	
DERMAL ABSORPTION			X		X	X
ACTIVE INGESTION					X	X
INCIDENTAL INGESTION			X			

POTENTIAL EXPOSURE PATHWAYS (REC-5)

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
INHALATION		X	X	X	X	
DERMAL ABSORPTION			X		X	X
ACTIVE INGESTION					X	X
INCIDENTAL INGESTION			X			

POTENTIAL EXPOSURE PATHWAYS (REC-6)

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
INHALATION		X	X	X	X	X
DERMAL ABSORPTION			X		X	X
ACTIVE INGESTION						X
INCIDENTAL INGESTION			X		X	

DRAWN BY: RSV	DATE: 5/7/11
CHECKED BY: RIP/JSS	PROJECT: 10001086

CREDERE ASSOCIATES, LLC
776 MAIN STREET
WESTBROOK, MAINE 04092
TEL: 207.828.1272
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FIGURE
CONCEPTUAL SITE MODEL
SHEET 1 OF

FORMER POLYCLAD LANINATES, INC PROPERTY
45 TANNERY STREET
FRANKLIN, NH
NHDES #199902062

J:\CREDERE\10001086\Polyclad\dwg\Polyclad_Site.dwg plot date: 6/27/2011 10:51 AM

SOURCE (REC)	CONTAMINANTS OF CONCERN	PRIMARY MIGRATION PATHWAY	PRIMARY IMPACTED MEDIA	SECONDARY MIGRATION PATHWAY	SECONDARY IMPACTED MEDIA	TERTIARY MIGRATION PATHWAY	TERTIARY IMPACTED MEDIA
REC-7 BURIED TANNERY WASTE	VOCs PAHs	LEACHING OF WASTE	SUBSURFACE SOIL	INFILTRATION AND LEACHING	GROUNDWATER	ADVECTION / DISPERSION IN GROUNDWATER	PEMIGEWASSET RIVER
REC-8 SOLVENT ODOR EMITTING PIPE	VOCs	SUBSURFACE VAPOR RELEASES	SUBSURFACE SOIL	INFILTRATION AND LEACHING	GROUNDWATER	ADVECTION / DISPERSION IN GROUNDWATER	PEMIGEWASSET RIVER
REC-9 PRESS PITS	VOCs SVOCs TPH PCBs	MIGRATION THROUGH CONCRETE PRESS PITS	SUBSURFACE SOIL	INFILTRATION AND LEACHING	GROUNDWATER	ADVECTION / DISPERSION IN GROUNDWATER	PEMIGEWASSET RIVER
REC-10 BUILDING WASTE DEBRIS PILE	LEAD ACM PCBs	STORMWATER	SURFICIAL SOIL				
OTHER RAILROAD ACTIVITIES	PAHs	DEPOSITION OF CONTAMINANTS FROM AIR	SURFICIAL SOIL				
OTHER FORMER ELECTRICAL TRANSFORMERS	PCBs	RELEASES OF PCB OIL TO CONCRETE PAD	CONCRETE PAD	STORMWATER RUNOFF	SURFICIAL SOIL		

POTENTIAL EXPOSURE PATHWAYS

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
INHALATION		X	X	X	X	X
DERMAL ABSORPTION			X		X	X
ACTIVE INGESTION					X	X
INCIDENTAL INGESTION			X			

POTENTIAL EXPOSURE PATHWAYS

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
INHALATION		X	X	X	X	X
DERMAL ABSORPTION			X		X	X
ACTIVE INGESTION					X	X
INCIDENTAL INGESTION			X			

POTENTIAL EXPOSURE PATHWAYS

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
INHALATION		X	X	X	X	X
DERMAL ABSORPTION		X	X	X	X	X
ACTIVE INGESTION					X	X
INCIDENTAL INGESTION		X	X	X		

POTENTIAL EXPOSURE PATHWAYS

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
INHALATION		X	X	X		
DERMAL ABSORPTION			X	X	X	
ACTIVE INGESTION					X	
INCIDENTAL INGESTION		X	X	X		

POTENTIAL EXPOSURE PATHWAYS

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
INHALATION						
DERMAL ABSORPTION			X	X	X	
ACTIVE INGESTION					X	
INCIDENTAL INGESTION		X	X	X		

POTENTIAL EXPOSURE PATHWAYS

	RESIDENTIAL	COMMERCIAL	SITE WORKER	VISITOR	TERRESTRIAL BIOTA	AQUATIC BIOTA
INHALATION						
DERMAL ABSORPTION			X	X	X	
ACTIVE INGESTION					X	
INCIDENTAL INGESTION		X	X	X		

DRAWN BY: RSV	DATE: 5/7/11
CHECKED BY: RIP/JSS	PROJECT: 10001086

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FIGURE
CONCEPTUAL SITE MODEL
SHEET OF

FORMER POLYCLAD LANINATES, INC PROPERTY
45 TANNERY STREET
FRANKLIN, NH
NHDES #199902062

TABLES

Table 2: Sample Reference
Former Polyclad Laminates Property
45 Tannery Street
Franklin, New Hampshire
NHDES #199902062

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
Surficial Soil	CA-SS-1 CA-SS-2 CA-SS-3	OTHER	Three surficial soil samples will be collected to determine if former rail road operations have impacted the Site.	0-1	Credere-004 HWRB-11 HWRB-12 HWRB-15 HWRB-17 DR#012 DR#024 DR#025	Visual & Olfactory PID Headspace XRF Screening	3	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.	- **PAHs** by EPA Method 8270	PAHs - 4 oz. amber glass with Teflon-lined cap	RL-13	
Subsurface Soil (Soil Borings & Test Pits)	CA-TP-7*	REC-1	One subsurface sample will be collected during test pit work to determine if the closed in-place 12,000 gallon tank (UST-6) has impacted the subsurface soil beneath the Site.	Soil field screened every 2-foot interval during drilling of borings and at every 1 to 2 feet during test pitting. Laboratory samples collected at highest field screening detection, visual/olfactory evidence of contamination.	Credere-002 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	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.	- **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	Absolute Resource Associates (formerly Resource Laboratories)
	CA-TP-8*	REC-2	One subsurface sample will be collected during test pit work to determine if the 4,000 gallon tank (UST-8) remains in place and if any releases have impacted the subsurface soil beneath the Site.				1					
	CA-TP-9* or CA-1	REC-3	One subsurface sample will be collected during test pit work to determine if the 4,000 gallon tank (UST-9) remains in place and if any releases have impacted the subsurface soil beneath the Site. If evidence of a tank is not identified during this work, five soil gas probes will be installed and field screen to determine if any VOC sources are present beneath the building. All soil gas samples will be field screened, but one soil gas sample will be collected and sent to the laboratory for analysis to confirm the volatile organics that were measured in the field.				1					
	CA-TP-10* CA-TP-11* CA-TP-12*	REC-4	Up to 3 subsurface samples will be collected during test pit work to assess any tank present connected to the "cap and fill" and gasoline dispenser.				3		- **VOCs** by EPA Method 8260 - **Lead** by EPA 200.7/6010	**VOCs** - (1) 40 ml VOA w/5 ml methanol, (1) 40 ml VOA for % solids **-Lead** - 4 oz. glass with Teflon-lined cap	RL-9 RL-5	

Table 2: Sample Reference
Former Polyclad Laminates Property
45 Tannery Street
Franklin, New Hampshire
NHDES #199902062

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
Subsurface Soil (Continued from page 1) (Soil Borings & Test Pits)	TP-13* CA-2	REC-6	Two subsurface samples are anticipated as a part of test pit and boring work that will be conducted and aimed at assessing the suspect concrete septic tank and the terminus of the discharge from the tank.	Soil field screened every 2-foot interval during drilling of borings and at every 1 to 2 feet during test pitting. Laboratory samples collected at highest field screening detection, visual/olfactory evidence of contamination.	Credere-002 Credere-003 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	2	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.	- **VOCs** by EPA Method 8260 - **RCRA 8 Metal plus Zn, Cu, and Ni** by EPA Method 6010 - **PAHs** by EPA Method 8270 - **PCBs** by EPA Method 8082	**VOCs** - (1) 40 ml VOA w/5 ml methanol, (1) 40 ml VOA for % solids **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-9 RL-5 RL-7 RL-13 RL-4	
	CA-TP-14* CA-TP-15* CA-TP-16* CA-TP-17* CA-TP-18*	REC-7	Up to five (5) subsurface soil samples are anticipated during test pit work aimed at delineating the extent of buried tannery waste at the Site.				Up to 5		- **VOCs** by EPA Method 8260 - **RCRA 8 Metal plus Zn, Cu, and N**i by EPA Method 6010 - **PAHs** by EPA Method 8270	**VOCs** - (1) 40 ml VOA w/5 ml methanol, (1) 40 ml VOA for % solids **Metals** - 4 oz. glass with Teflon-lined cap **PAHs** - 4 oz. amber glass with Teflon-lined cap	RL-9 RL-5 RL-13	
	CA-3	REC-8	Six (6) soil gas probes are anticipated to evaluate this REC (see soil gas sampling below) and if the result indicate a source of VOCs under the building slab , then a boring will installed through the slab at the perceived center of the vapor source. A groundwater well will be installed and sampled appropriately.				1		- **VOCs** by EPA Method 8260	**VOCs** - (1) 40 ml VOA w/5 ml methanol, (1) 40 ml VOA for % solids	RL-9	
	CA-4 CA-5	REC-9	Two shallow borings will be advanced through the former press pits to assess the condition of the soil directly beneath the concrete slab.				2		- **TPH** by EPA Method 8015 - **VOCs** by EPA Method 8260 - **RCRA 8 Metal plus Zn, Cu, and Ni by EPA Method 6010** - **SVOCs** by EPA Method 8270 - **PCBs** by EPA Method 8082	**TPH- - 4 oz. glass with Teflon-lined cap** **VOCs** - (1) 40 ml VOA w/5 ml methanol, (1) 40 ml VOA for % solids **Metals** - 4 oz. glass with Teflon-lined cap **SVOCs** - 4 oz. amber glass with Teflon-lined cap **PCBs** - 4 oz glass with Teflon lined cap	RL-7 RL-9 RL-5 RL-13 RL-4	

Table 2: Sample Reference
Former Polyclad Laminates Property
45 Tannery Street
Franklin, New Hampshire
NHDES #199902062

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
Soil Gas	CA-SG-1 CA-SG-2 CA-SG-3 CA-SG-4 CA-SG-5	REC-3	Five(5) soil gas probes (CA-SG-1 to CA-SG-5) are anticipated to evaluate this REC and if the results indicate a source of VOCs VOCs under the building slab other than the former closed in place acetone tank near the chemical mixing building, then a boring will installed through the slab at the perceived center of the vapor source. A groundwater well will be installed and sampled appropriately. One soil gas sample will be sent to the laboratory to confirm the field screening results and determine the volatile organic compunds that were measured in the field. The sample that will be sent to the laboratory will be determined in the field.	1 to 2 feet below the concrete slab	WMD-06-01 Credere-004 DR#027 DR#012 HWRB-15	PID	1	1	- **VOCs** by EPA Method 8260	**VOCs** - (1) 40 ml VOA w/5 ml methanol, (1) 40 ml VOA for % solids	VOA-TO15	Columbia Analytical
	CA-SG-6 CA-SG-7 CA-SG-8 CA-SG-9 CA-SG-10 CA-SG-11	REC-8	Six (6) soil gas probes (CA-SG-6 to CA-SG-11) are anticipated to evaluate this REC and if the result did a source of VOCs under the building slab other than the former closed in place acetone tank near the chemical mixing building, then a boring will installed through the slab at the perceived center of the vapor source. A groundwater well will be installed and sampled appropriately. One soil gas sample will be sent to the laboratory to confirm the field screening results and determine the volatile organic compunds that were measured in the field. The sample that will be sent to the laboratory will be determined in the field.				1	1	- **VOCs** by EPA Method 8260	**VOCs** - (1) 40 ml VOA w/5 ml methanol, (1) 40 ml VOA for % solids	VOA-TO15	

***Test pit number have been carried on from the previous work (i.e. Credere's numbers start at 7)**

Table 2: Sample Reference
Former Polyclad Laminates Property
45 Tannery Street
Franklin, New Hampshire
NHDES #199902062

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
Groundwater	CA-1	REC-3	As a part of assessing REC-3, if contamination extends into groundwater as noted by field screeing a monitoring well will be installed and sampled for VOCs.	Credere-004 HWRB-1 HWRB-3 HWRB-9 HWRB-15 HWRB-17 DR#012 EPA SOP EPASOP#2048	Visual & Olfactory Field Parameters: Temperature, PH, Dissolved Oxygen, Turbidity, Conductivity, Oxidation-Reduction Potentional	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	**VOCs** - (2) 40 ml VOA with HCL	RL-9	Absolute Resource Associates (formerly Resource Laboratories)
	MW-2	REC-5	As a part of assessing REC-5 existing monitoring well MW-2 will be assessed for free floating product and will be sampled to determine if it still contains degraded gasoline.			1			- **VOCs** by EPA Method 8260 **-Lead** by EPA 200.7/6010	**VOCs** - (2) 40 ml VOA with HCL **Lead** - 1 liter platic bottle, nitric perserved	RL-9 RL-5	
	CA-2	REC-6	As a part of assessing REC-6, if contamination at the septic tank discharge location extends into groundwater as noted by field screeing, a monitoring well will be installed and sampled for VOCs.			1			- **VOCs** by EPA Method 8260 - **SVOCs** by EPA Method 8270 **-Dissolved RCRA 8 Metal plus Zn, Cu, and Ni by EPA Method 6010**	**VOCs** - (2) 40 ml VOA with HCL **PAHs** - 1 Liter amber bottle, unpreserved **Metals** - 1 liter platic bottle, nitric perserved	RL-9 RL-13 RL-5	
	CA-3	REC-8	A monitoring well may be installed to assess the condition of the groundwater in the general area of this REC, or in the area of high soil gas conditions. The installed monitoring well will be sampled for VOCs.			1			- **VOCs** by EPA Method 8260	**VOCs** - (2) 40 ml VOA with HCL	RL-9	

Table 2: Sample Reference
Former Polyclad Laminates Property
45 Tannery Street
Franklin, New Hampshire
NHDES #199902062

Media to be Collected	Proposed Sample IDs	Associated RECs/NCs	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
Building Materials	Debris-	REC-10	An asbestos survey will be conducted to evaluate the "ASTM Non-scope" consideration related to potential ACMs in the debris pile at the Site.	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** byEPA 600/R-93/116	Plastic bags, labeled (no preservation)	Included in SSQAPP Addendum No. 4	ProScience Laboratories (subcontractor to Absolute Resource Associates
	Debris-		Painted debris will be screened with the XRF for lead-based paint.	DR#024 DR#025 Credere-004	XRF Screening	up to 10	NA	EPA Method 6200	NA	NA	NA
	Debris-		One (1) representative bulk sample will be collected from the building debris pile.	EPA SOP No. 2011 for Chip, Wipe, and Sweep Sampling; EIASOP_POROUSSAMPLING1; Credere-004	Visual Inspection and Bulk Sampling	1	1	**PCBs** via EPA Method 8082 using extraction Method 3540	**PBCs** - 4 oz. glass with Teflon-lined cap, no preservative	RL-4	Absolute Resource Associates (formerly Resource Laboratories)
	Debris-		An asbestos survey will be conducted to evaluate the "ASTM Non-scope" consideration related to potential ACMs in the debris pile at the Site.	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** byEPA 600/R-93/116	Plastic bags, labeled (no preservation)	Included in SSQAPP Addendum No. 4	ProScience Laboratories (subcontractor to Absolute Resource Associates

Table 2: Sample Reference
Former Polyclad Laminates Property
45 Tannery Street
Franklin, New Hampshire
NHDES #199902062

Media to be Collected	Proposed Sample IDs	Associated RECs/NCs	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
Building Materials	Debris-	REC-10	Painted debris will be screened with the XRF for lead-based paint.	DR#024 DR#025 Credere-004	XRF Screening	up to 10	NA	EPA Method 6200	NA	NA	NA
	Concrete -1 Concrete -2	OTHER	Two (2) concrete samples will be collected from the from the concrete around the former transformer location	EPA SOP No. 2011 for Chip, Wipe, and Sweep Sampling; EIASOP_POROUSSAMPLING1; Credere-004	Visual Inspection and Bulk Sampling	2	1	**PCBs** via EPA Method 8082 using extraction Method 3540	**PBCs** - 4 oz. glass with Teflon-lined cap, no preservative	RL-4	Absolute Resource Associates (formerly Resource Laboratories)

Table 2: Sample Reference
Former Polyclad Laminates Property
45 Tannery Street
Franklin, New Hampshire
NHDES #199902062

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
Sludge	SLUDGE-1	REC-6	One sludge sample will be collected from the septic tank to assess the contents for hazardous substances.	Bottom of Tank	Credere-004 HWRB-11 HWRB-12 HWRB-15 HWRB-17 VOCs/SOIL-2000 DR#012 DR#022	Visual & Olfactory PID Headspace XRF Screening	1	No duplicate will be collected because only one sludge sample is proposed.	- **VOCs** by EPA Method 8260 - **RCRA 8 Metal plus Zn, Cu, and Ni** by EPA Method 6010 - **PAHs** by EPA Method 8270 - **PCBs** by EPA Method 8082	**VOCs** - (1) 40 ml VOA w/5 ml methanol, (1) 40 ml VOA for % solids **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-9 RL-5 RL-7 RL-13 RL-4	Absolute Resource Associates, LLC

APPENDIX B

SITE PHOTOGRAPHS

Picture 1

View of western portion of the Site, facing northeast, where potential UST was identified during GPR survey, presumed to be closed-in-place UST–6.

Picture 2

View of location of former fuel dispenser on western portion of the Site, facing northeast.

Picture 3

View of fill building demolition debris in Test Pit CA-TP-8 on western portion of the Site.

Picture 4

View of sub-slab soil gas sampling at sampling location SG-5, located within northern portion of former Site building footprint.

Picture 5
View of location of asbestos-containing floor tiles on former building slab, indicated by white arrows, facing southeast.

Picture 6
View of tannery hides visible in Test Pit CA-TP-13, located on northeastern portion of the Site.

Picture 7
View of tannery hides visible in Test Pit CA-TP-13, located on northeastern portion of the Site.

Picture 8
View of tannery waste in soil from test pit CA-TP-14, located on northeastern portion of the Site.

APPENDIX C

TEST PIT LOGS

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site
DATE: 6/28/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-TP-7**
ACTIVITY:
START: 1300
END: 1430

CREDERE REPRESENTATIVE: Jonathan O'Donnell

CONTRACTOR/FOREMAN: J.A. Eaton Inspections/Jeff Eaton

NOTES:

Test pit on western side of closed-in-place UST (presumed to be UST-6). Ductile iron pipe parallel and adjacent to UST prevented advancement of test pit beyond 8 feet below ground surface (bgs). No laboratory sample collected from this test pit.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0	0-2	S-1	Slightly moist	0.0	Red-brown, medium to coarse SAND and Gravel. No volatile organic odor.
1					
2	No sample from 2 to 3 feet bgs.				
3	3-5	S-2	Slightly moist	0.0	
4					
5	5-7	S-3	Slightly moist	0.0	Side of UST observed.
6					
7	7-8	S-4	Slightly moist	0.0	Pipe adjacent to UST Side.
8	**End of Exploration at 8' bgs.**				

PID - Photo-Ionization Detector
ppm_v - parts per million by volume
* - Submitted for laboratory analysis

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site
DATE: 6/30/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-TP-7A**
ACTIVITY:
START: 1535
END: 1720

CREDERE REPRESENTATIVE: Judd Newcomb

CONTRACTOR/FOREMAN: J.A. Eaton Inspections/Jeff Eaton; T & K Drilling/Sean McGarry

NOTES:

Test pit on southern side of closed-in-place UST (presumed to be UST-6) because test pit TP-7 was stopped due to a pipe near the UST western side. Test pit TP-7A advanced to 10 feet bgs using the excavator. Samples from 10 to 16 feet bgs collected by split-spoon sampler via a drill rig because the limit of the excavator's reach was approximately 10 feet.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0					
1	4	S-1	Dry	0.5	Light-brown, fine to medium SAND and Gravel. No volatile organic odor.
2					
3					
4	6	S-2	Dry	1.4	Top of UST at 4 feet bgs. Observed 3" fill pipe (broken off during excavation) and UST full of sand. No volatile organic odor. Side of UST # 6 visible (4 to 10' bgs).
5					
6	8	S-3	Dry	1.3	
7					
8	9	S-4	Dry	1.4	
9	9.5	S-5	Dry	1.3	
10	10-12*	S-6	Dry	1.9	
11					
12	12-14	S-7	Dry	1.1	Medium dense, light-brown, fine to medium SAND and Gravel. No volatile organic odor.
13					
14	14-16	S-8	Dry	0.4	
15					
16					**End of Exploration at 16' bgs.**
	PID - Photo-Ionization Detector ppm_v - parts per million by volume * - Submitted for laboratory analysis				

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site

DATE: 6/28/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-TP-8**

ACTIVITY:
START: 0900
END: 0955

CREDERE REPRESENTATIVE: Jonathan O'Donnell

CONTRACTOR/FOREMAN: J.A. Eaton Inspections/Jeff Eaton

NOTES:

Test pits CA-TP-8, CA-TP-10, and CA-TP-11 were advanced in the area reported to contain UST # 8. This area appears to be an former loading dock that had an asphalt paved area that slopes down to the north, but is now filled with demolition debris.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0	0-2	S-1	Dry	1.2	Building demolition debris. Crushed concrete masonry unit, metal scrap, and sand. No volatile organic odor.
1					
2	2-4	S-2	Dry	ND	
3					
4	4-6	S-3	Dry	1.1	Asphalt paving layer at 4.5 feet bgs.
5					Red-brown, medium to coarse SAND and Gravel starting at 4.5' bgs.No volatile organic odor.
6	6-8*	S-4	Dry	ND	10 inch clay pipe observed at 6.5 feet bgs.
7					
8	8-9	S-5	Dry	ND	
9	**End of Exploration at 9' bgs.**				

PID - Photo-Ionization Detector
ppm_v - parts per million by volume
* - Submitted for laboratory analysis

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site
DATE: 6/30/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-TP-9**
ACTIVITY:
START: 1345
END: 1520

CREDERE REPRESENTATIVE: Judd Newcomb

CONTRACTOR/FOREMAN: J.A. Eaton Inspections/Jeff Eaton

NOTES:
Located beneath northern end of former building slab, in between patch in concrete and area of metal GPR anomaly identified by DigSmart. Test pit advanced to investigate possible former UST.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0	2	S-1	Dry	1.3	Medium dense, light-brown, medium to coarse SAND and Gravel. No volatile organic odor.
1					
2	4	S-2	Dry	1.8	Thin layers of tannery hides present from 2 to 6 feet bgs.
3					
4	6*	S-3	Dry	2.4	
5					
6	8	S-4	Dry	2.0	
7					Asphalt pieces at approximately 8 feet bgs.
8	**End of Exploration at 8' bgs.**				

PID - Photo-Ionization Detector
ppm_v - parts per million by volume
* - Submitted for laboratory analysis

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site

DATE: 6/28/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-TP-10**

ACTIVITY:
START: 1000
END: 1000

CREDERE REPRESENTATIVE: Jonathan O'Donnell

CONTRACTOR/FOREMAN: J.A. Eaton Inspections/Jeff Eaton

NOTES:

Test pits CA-TP-8, CA-TP-10, and CA-TP-11 were advanced in the area reported to contain UST # 8. This area appears to be an former loading dock that had an asphalt paved area that slopes down to the north, but is now filled with demolition debris.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0	0-2*	S-1	Dry	ND	Building demolition debris. Crushed CMU, metal scrap, and sand. No volatile organic odor.
1					
2	2-4	S-2	Dry	ND	
3					
4	4.5-6	S-3	Dry	ND	Asphalt paving layer at 4.5 feet bgs.
5					
6	6-8	S-4	Dry	ND	Red-brown, medium to coarse SAND and Gravel from 4.5 to 9 feet bgs. No volatile organic odor.
7					
8	8-9	S-5	Dry	ND	
9	**End of Exploration at 9' bgs.**				

PID - Photo-Ionization Detector
ppm_v - parts per million by volume
* - Submitted for laboratory analysis
CMU = concrete masonry unit

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site
DATE: 6/28/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-TP-11**
ACTIVITY:
START: 1100
END: 1215

CREDERE REPRESENTATIVE: Jonathan O'Donnell

CONTRACTOR/FOREMAN: J.A. Eaton Inspections/Jeff Eaton

NOTES:
Test pits CA-TP-8, CA-TP-10, and CA-TP-11 were advanced in the area reported to contain UST # 8. This area appears to be an former loading dock that had an asphalt paved area that slopes down to the north, but is now filled with demolition debris.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0	0-2	S-1	Dry	ND	Building demolition debris. Crushed CMU, metal scrap, and sand. No volatile organic odor.
1					
2	No sample from 2 to 3 feet bgs.				Asphalt paving layer at 3 feet bgs.
3	3-4.5	S-2	Dry	ND	Red-brown, medium to coarse SAND and Gravel. No volatile organic odor.
4					
5	4.5-6.5	S-3	Dry	ND	
6					
7	6.5-9*	S-4	Dry	ND	
8					
9	**End of Exploration at 9' bgs.**				

PID - Photo-Ionization Detector
ppm_v - parts per million by volume
* - Submitted for laboratory analysis
CMU = concrete masonry unit

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site
DATE: 6/30/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-TP-12**
ACTIVITY:
START: 0935
END: 1010

CREDERE REPRESENTATIVE: Judd Newcomb

CONTRACTOR/FOREMAN: J.A. Eaton Inspections/Jeff Eaton

NOTES:
Test pit advanced through bottom of concrete sump surrounded by stained concrete, believed to be the former location of a fuel dispenser. Bottom of the sump was broken with excavator, and the est pit advanced further by hand using a clean shovel.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0	2	S-1	Wet	ND	Wet, black, organic detritus (material from interior of 2' deep concrete sump). No volatile organic odor. Concrete bottom of sump at 2 feet bgs.
1					
2	3*	S-2	Wet	1.2	Red-brown, medium to coarse SAND and Gravel. Wet. Staining beneath concrete at 2 feet bgs. No volatile organic odor.
3	4	S-3	Wet	0.5	
4	**End of Exploration at 4' bgs.**				

PID - Photo-Ionization Detector
ppm_v - parts per million by volume
* - Submitted for laboratory analysis

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site
DATE: 6/28/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-TP-13**
ACTIVITY:
START: 1450
END: 1505

CREDERE REPRESENTATIVE: Jonathan O'Donnell

CONTRACTOR/FOREMAN: J.A. Eaton Inspections/Jeff Eaton

NOTES:
Test pit on northeastern portion of the Site, in area where the GPR survey indicated that buried wastes may be present.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0	0-2	S-1	Dry	ND	Red-brown, medium to coarse SAND and Gravel. No volatile organic odor.
1					
2	2-4*	S-2	Dry	ND	
3					
4	4-5	S-3	Dry	ND	Red-brown, medium to coarse SAND and Gravel mixed with thin layers of tannery hides present from 4 to 5 feet bgs. No volatile organic odor.
5	No sample from 5 to 6 feet bgs.				Medium dense, red-brown, medium to coarse SAND and Gravel. No volatile organic odor.
6	6-8	S-4	Dry	ND	
7					
8	**End of Exploration at 8' bgs.**				

PID - Photo-Ionization Detector
ppm_v - parts per million by volume
* - Submitted for laboratory analysis

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site
DATE: 6/28/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-TP-14/CA-SS-2**
ACTIVITY:
START: 1510
END: 1550

CREDERE REPRESENTATIVE: Jonathan O'Donnell

CONTRACTOR/FOREMAN: J.A. Eaton Inspections/Jeff Eaton

NOTES:
Test pit on northeastern portion of the Site, in area where the GPR survey indicated that buried wastes may be present.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0	0-2**	S-1	Dry	ND	Red-brown, medium to coarse SAND and Gravel. No volatile organic odor.
1					
2	2-4	S-2	Dry	ND	
3					
4	4-6	S-3	Dry	ND	Red-brown, medium to coarse SAND and Gravel mixed with thin layers of tannery hides present from 4 to 8 feet bgs. No volatile organic odor.
5					
6	6-8*	S-4	Dry	ND	
7					
8	**End of Exploration at 8' bgs.**				

PID - Photo-Ionization Detector
ppm_v - parts per million by volume
* - Submitted for laboratory analysis
** - Collected as surficial soil sample CA-SS-2

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site
DATE: 6/28/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-TP-15**
ACTIVITY:
START: 1555
END: 1625

CREDERE REPRESENTATIVE: Jonathan O'Donnell

CONTRACTOR/FOREMAN: J.A. Eaton Inspections/Jeff Eaton

NOTES:
Test pit on southeastern portion of the Site to assess possible buried tannery waste.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0	0-2	S-1	Dry	ND	Red-brown, medium to coarse SAND and Gravel. No volatile organic odor.
1					
2	2-4	S-2	Dry	ND	
3					
4	No sample from 4 to 5 feet bgs.				
5	5-7*	S-3	Dry	ND	Red-brown, medium to coarse SAND and Gravel. Appears native. No volatile organic odor.
6					
7	**End of Exploration at 7' bgs.**				

PID - Photo-Ionization Detector
ppm_v - parts per million by volume
* - Submitted for laboratory analysis

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site
DATE: 6/28/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-TP-16**
ACTIVITY:
START: 1635
END: 1705

CREDERE REPRESENTATIVE: Jonathan O'Donnell

CONTRACTOR/FOREMAN: J.A. Eaton Inspections/Jeff Eaton

NOTES:
Test pit on southwestern portion of the Site to assess possible buried tannery waste.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0	0-2*	S-1	Dry	ND	Red-brown, medium to coarse SAND and Gravel. No volatile organic odor.
1					
2	2-4	S-2	Dry	ND	
3					
4	No sample from 4 to 5 feet bgs.				
5	5-7	S-3	Dry	ND	Red-brown, medium to coarse SAND and Gravel. Appears native. No volatile organic odor.
6					
7	**End of Exploration at 7' bgs.**				
8					
9					
10					
12					
13					
14					

PID - Photo-Ionization Detector
ppm_v - parts per million by volume
* - Submitted for laboratory analysis

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site
DATE: 6/28/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-TP-17/CA-SS-1**
ACTIVITY:
START: 1415
END: 1440

CREDERE REPRESENTATIVE: Jonathan O'Donnell

CONTRACTOR/FOREMAN: J.A. Eaton Inspections/Jeff Eaton

NOTES:
Test pit north of building foundation.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0	0-2**	S-1	Dry	ND	Red-brown, medium to coarse SAND and Gravel. No volatile organic odor.
1					
2	2-4	S-2	Dry	ND	
3					
4	4-7*	S-3	Dry	ND	Red-brown, medium to coarse SAND and Gravel. Soil appears native. No volatile organic odor.
5					
6					
7	**End of Exploration at 7' bgs.**				

PID - Photo-Ionization Detector
ppm_v - parts per million by volume
* - Submitted for laboratory analysis
** - Collected as surficial soil sample CA-SS-2

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site
DATE: 6/28/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-TP-18**
ACTIVITY:
START: 1440
END: 1450

CREDERE REPRESENTATIVE: Jonathan O'Donnell

CONTRACTOR/FOREMAN: J.A. Eaton Inspections/Jeff Eaton

NOTES:
Test pit north of building foundation.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0	0-1.5	S-1	Dry	ND	Asphalt upper three inches (kept separate from soil samples).
1					Red-brown, medium to coarse SAND and Gravel. No volatile organic odor.
2	1.5-3	S-2	Dry	ND	
3	3-5*	S-3	Dry	ND	
4					
5					**End of Exploration at 5' bgs.**

PID - Photo-Ionization Detector
ppm_v - parts per million by volume
* - Submitted for laboratory analysis

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

TEST PIT DATA:

PROJECT NAME: Former Polyclad Laminates Site
DATE: 7/5/2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: **CA-SS-3**
ACTIVITY:
START: 1155
END: 1205

CREDERE REPRESENTATIVE: Jonathan O'Donnell

CONTRACTOR/FOREMAN: None

NOTES:
Surficial soil sample south of building foundation.

FIELD ANALYSIS DATA:

DEPTH (FT)	SAMPLE DEPTH (FT)	SAMPLE NUMBER	MOISTURE	PID (ppm)	SOIL DESCRIPTION / NOTES
0	0-2	S-1*	Dry	ND	Grass and Organic in upper two inches. Organic material seperated from sample. Red-brown, medium to coarse SAND. No volatile organic odor.
1					**End of Exploration at 5' bgs.**
2					
3					
4					
5					

PID - Photo-Ionization Detector
ppm_v - parts per million by volume
* - Submitted for laboratory analysis

APPENDIX D

SOIL BORING LOGS

Geologic Log

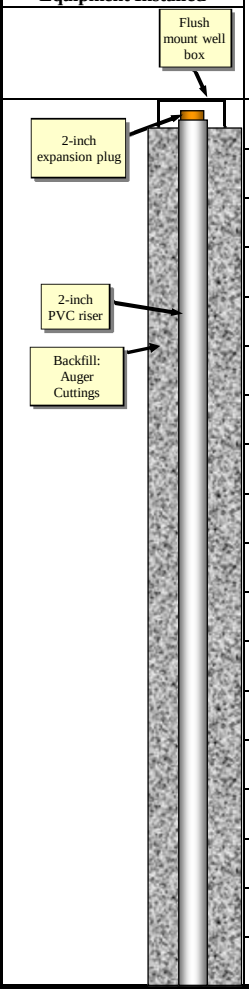
Credere Associates, LLC
776 Main Street
Westbrook, Maine 04092

CA-1

SITE INFORMATION		WELL SPECIFICATIONS	
Project Number/Client: 10001086/Former Polyclad Laminates Site		**Well Depth (feet) from TOW:** 35	
Site Location: 45 Tannery Street, Franklin, NH		**Screen Length (feet):** 10	
NHDES Site#: 199902062	**Date Start/Finish:** 06-29-11	**TOW Elev. (feet):** 335.26	**Ground Elevation:** NM
Credere, LLC Representative: Jonathan O'Donnell		**Well Material:** 2" PVC - ND10-inch PVC Slotted Pipe and Riser	
CONTRACTOR		**DRILLING EQUIPMENT**	
Drilling Contractor: T&K Drilling		**Equipment:** 4 1/4" ID Hollow Stem Auger	
Foreman: Sean McGarry		**Casing Diameter:** NA	
Drilling Method: Auger		**Casing Material:** NA	

Depth	Sample Information: Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)	Soil Description and Classification	Strata	USCS Code	Depth
0	S-1	24/12	0-2	10-19-16-10	ND	Dense, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.	Poorly Graded Sand and Gravel	SP	ND
1									1
2	S-2	24/19	2-4	10-7-7-8	ND	Medium dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.			2
3									3
4	S-3	24/17	4-6	4-4-6-6	ND	Medium dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.			4
5									5
6	S-4	24/15	6-8	4-5-7-7	ND	Medium dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.			6
7									7
8	S-5	24/18	8-10	7-7-7-9	ND	Medium dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.			8
9									9
10	S-6	24/13	10-12	4-7-8-9	ND	Medium dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.			10
11									11
12	S-7	24/18	12-14	8-8-7-9	ND	Medium dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.			12
13									13
14	S-8	24/17	14-16	6-7-8-13	ND	Medium dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.			14
15									15
16	S-9	24/17	16-18	11-12-13-15	ND	Medium dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.			16
17									17
18						**Boring Continued on Page 2 of 2**			18

Equipment Installed



Remarks:

Soils described using "Modified Burmister Method"
TOW Elevation - Elevation of top of well PVC riser, based on TOW elevation of MW-2 at 334.89 feet
Well Depth shown is actual installed depth. Depth measured during groundwater sampling may reflect a loss of depth due to sedimentation.
NM - Not Measured
*Sample submitted for laboratory analysis.
Graphically shows depth of the water table inferred from field observations during soil boring activities.

Boring No: **CA-1**

Geologic Log

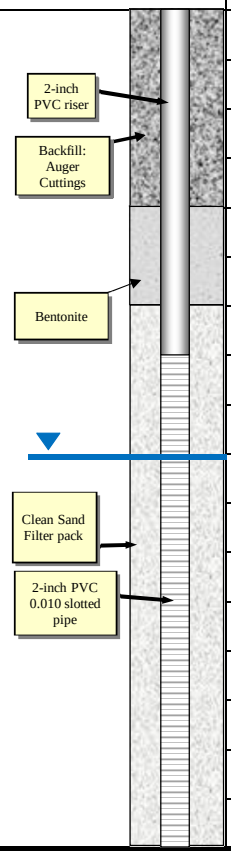
Credere Associates, LLC
776 Main Street
Westbrook, Maine 04092

CA-1

SITE INFORMATION		WELL SPECIFICATIONS	
Project Number/Client: 10001086/Former Polyclad Laminates Site		**Well Depth (feet) from TOW:** 35	
Site Location: 45 Tannery Street, Franklin, NH		**Screen Length (feet):** 10	
NHDES Site#: 199902062	**Date Start/Finish:** 06-29-11	**TOW Elev. (feet):** 335.26	**Ground Elevation:** NM
Credere, LLC Representative: Jonathan O'Donnell		**Well Material:** 2" PVC - ND10-inch PVC Slotted Pipe and Riser	
CONTRACTOR		**DRILLING EQUIPMENT**	
Drilling Contractor: T&K Drilling		**Equipment:** 4 1/4" ID Hollow Stem Auger	
Foreman: Sean McGarry		**Casing Diameter:** NA	
Drilling Method: Auger		**Casing Material:** NA	

Depth	Sample Information: Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)	Soil Description and Classification	Strata	USCS Code
18	S-10	24/17	18-20	6-8-10-13	ND	Medium dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.		
19								
20	S-11	24/17	20-22	6-8-9-9	ND	Medium dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.		
21								
22	S-12	24/16	22-24	9-9-10-10	ND	Medium dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.		
23								
24	S-13	24/9	24-26	6-14-23-27	ND	Dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.		
25								
26	S-14*	24/16	26-28	19-19-17-17	ND	Dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.		
27								
28	**End of sampling at 28'. Boring advanced to 35 feet for installation of well.**							
29								
30								
31								
32								
33								
34								
35	**Well Set at 35'**							

Equipment Installed



Depth: 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35

Remarks:

Soils described using "Modified Burmister Method"
TOW Elevation - Elevation of top of well PVC riser, based on TOW elevation of MW-2 at 334.89 feet
Well Depth shown is actual installed depth. Depth measured during groundwater sampling may reflect a loss of depth due to sedimentation.
NM - Not Measured
*Sample submitted for laboratory analysis.
▼ Graphically shows depth of the water table inferred from field observations during soil boring activities.

Boring No: **CA-1**

Geologic Log

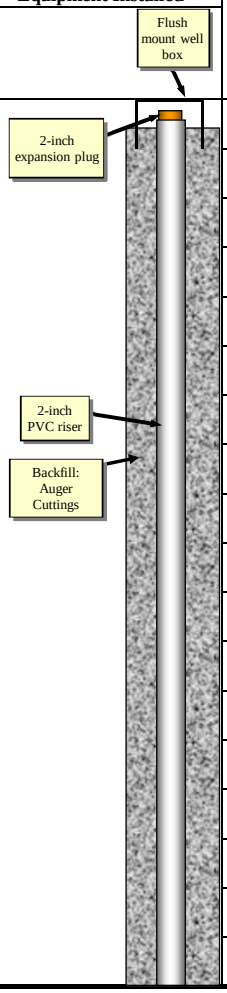
Credere Associates, LLC
776 Main Street
Westbrook, Maine 04092

CA-2

SITE INFORMATION		WELL SPECIFICATIONS	
Project Number/Client: 10001086/Former Polyclad Laminates Site		**Well Depth (feet) from TOW:**	35 (field measurement)
Site Location: 45 Tannery Street, Franklin, NH		**Screen Length (feet):**	10
NHDES Site#: 199902062	**Date Start/Finish:** 06-29-11	**TOW Elev. (feet):** 334.82	**Ground Elevation:** NM
Credere, LLC Representative: Jonathan O'Donnell		**Well Material:** 2" PVC - 0.010-inch PVC Slotted Pipe and Riser	
CONTRACTOR		**DRILLING EQUIPMENT**	
Drilling Contractor: T&K Drilling		**Equipment:** 4 1/4" ID Hollow Stem Auger	
Foreman: Sean McGarry		**Casing Diameter:** NA	
Drilling Method: Auger		**Casing Material:** NA	

Depth	Sample Information: Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)	Soil Description and Classification	Strata	USCS Code	Depth
0	S-1	24/10	0-2	5-6-5-4	ND	Medium dense, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.	Poorly Graded Sand and Gravel	SP	0
1									1
2	S-2	24/14	2-4	4-2-2-2	ND	Loose, coarse SAND and Gravel. No petroleum or volatile odor.			2
3									3
4	S-3	24/8	4-6	3-2-2-3	ND	Loose, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			4
5									5
6	S-4*	24/11	6-8	2-2-3-2	10.2	Loose, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			6
7									7
8	S-5	24/13	8-10	1-1-1-1	7.9	Very loose, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			8
9									9
10	S-6	24/12	10-12	1-1-1-1	1.2	Very loose, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			10
11									11
12	S-7	24/15	12-14	1-1-1-2	ND	Very loose, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			12
13									13
14	S-8	24/9	14-16	1-1-4-5	ND	Loose, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			14
15									15
16	S-9	24/13	16-18	7-3-4-3	ND	Loose, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			16
17									17
18						**Boring Continued on Page 2 of 2**			18

Equipment Installed



Remarks:

Soils described using "Modified Burmister Method"
TOW Elevation - Elevation of top of well PVC riser, based on TOW elevation of MW-2 at 334.89 feet
Well Depth shown is actual installed depth. Depth measured during groundwater sampling may reflect a loss of depth due to sedimentation.
REF - Refusal, 100 blows and less than 1 " of depth gained.
NM - Not Measured
*Sample submitted for laboratory analysis.
Graphically shows depth of the water table inferred from field observations during soil boring activities.

Boring No: CA-2
Page 1 of 2

Geologic Log

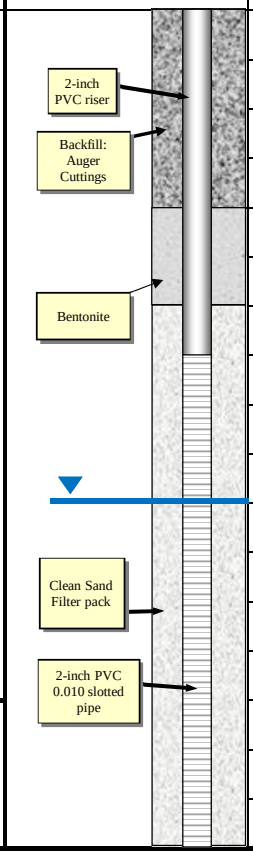
Credere Associates, LLC
776 Main Street
Westbrook, Maine 04092

SITE INFORMATION	WELL SPECIFICATIONS
Project Number/Client: 10001086/Former Polyclad Laminates Site	**Well Depth (feet) from TOW:** 35 (field measurement)
Site Location: 45 Tannery Street, Franklin, NH	**Screen Length (feet):** 10
NHDES Site#: 199902062 **Date Start/Finish:** 06-29-11	**TOW Elev. (feet):** 334.82 **Ground Elevation:** NM
Credere, LLC Representative: Jonathan O'Donnell	**Well Material:** 2" PVC - 0.010-inch PVC Slotted Pipe and Riser
CONTRACTOR	**DRILLING EQUIPMENT**
Drilling Contractor: T&K Drilling	**Equipment:** 4 1/4" ID Hollow Stem Auger
Foreman: Sean McGarry	**Casing Diameter:** NA
Drilling Method: Auger	**Casing Material:** NA

CA-2

Depth	Sample Information: Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)	Soil Description and Classification	Strata	USCS Code	Depth
18	S-10	24/9	18-20	3-1-2-1	ND	Very loose, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			18
19									19
20	S-11	24/14	20-22	5-8-24-24	ND	Medium dense, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			20
21									21
22	S-12	24/11	22-24	25-26-23-REF	ND	Dense, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			22
23									23
24	S-13	24/16	24-26	16-25-33-24	ND	Very dense, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			24
25									25
26	S-14	24/12	26-28	23-19-11-6	ND	Dense, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			26
27									27
28	S-15	24/18	28-30	5-11-7-7	ND	Medium dense, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			28
29									29
30	S-16	24/7	30-32	4-7-5-4	ND	Medium dense, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			30
31									31
32	**End of sampling at 32'. Boring advanced to 35 feet for installation of well.**								32
33	NOTE: Strong aromatic odor in water drained from drilling augur during withdrawal of auger.								33
34									34
35	**Well Set at 35'**								35

Equipment Installed



Remarks:

Soils described using "Modified Burmister Method"
TOW Elevation - Elevation of top of well PVC riser, based on TOW elevation of MW-2 at 334.89 feet
Well Depth shown is actual installed depth. Depth measured during groundwater sampling may reflect a loss of depth due to sedimentation.
REF - Refusal, 100 blows and less than 1 " of depth gained.
NM - Not Measured
*Sample submitted for laboratory analysis.
▼ Graphically shows depth of the water table inferred from field observations during soil boring activities.

Boring No: **CA-2**

Geologic Log

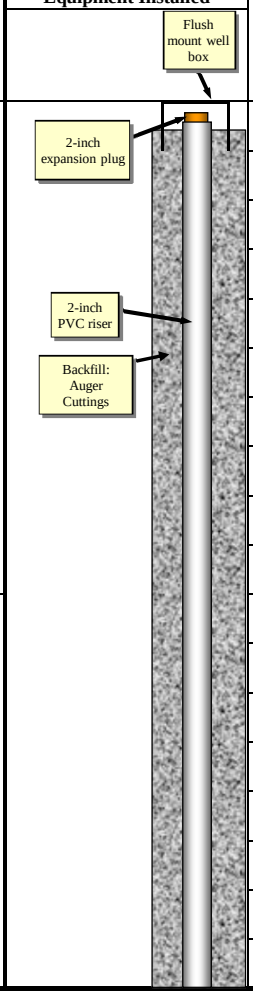
Credere Associates, LLC
776 Main Street
Westbrook, Maine 04092

CA-3

SITE INFORMATION		WELL SPECIFICATIONS	
Project Number/Client: 10001086/Former Polyclad Laminates Site		**Well Depth (feet) from TOW:**	35 (field measurement)
Site Location: 45 Tannery Street, Franklin, NH		**Screen Length (feet):**	10
NHDES Site#: 199902062	**Date Start/Finish:** 06-29-11	**TOW Elev. (feet):** 335.25	**Ground Elevation:** NM
Credere, LLC Representative: Jonathan O'Donnell		**Well Material:** 2" PVC - 0.010-inch PVC Slotted Pipe and Riser	
CONTRACTOR		**DRILLING EQUIPMENT**	
Drilling Contractor: T&K Drilling		**Equipment:** 4 1/4" ID Hollow Stem Auger	
Foreman: Sean McGarry		**Casing Diameter:** NA	
Drilling Method: Auger		**Casing Material:** NA	

Depth	Sample Information: Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)	Soil Description and Classification	Strata	USCS Code	Depth
0	S-1	24/11	0-2	4-14-17-18	ND	Dense, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.	Poorly Graded Sand and Gravel	SP	0
1									1
2	S-2*	24/11	2-4	23-12-26-21	ND	Dense, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			2
3									3
4	S-3	24/12	4-6	12-21-24-20	ND	Dense, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			4
5									5
6	S-4	24/9	6-8	39-24-35-14	1.2	Very dense, brown, medium to coarse SAND and Gravel. No petroleum or volatile odor.			6
7									7
8	S-5	24/13	8-10	3-4-5-7	ND	Loose, coarse SAND and Gravel. No petroleum or volatile odor.			8
9									9
10	S-6	24/13	10-12	8-6-11-9	ND	Medium dense, light brown fine SAND. No petroleum or volatile odor.	Well Graded Sand	SW	10
11									11
12	S-7	24/14	12-14	7-10-12-12	ND	Medium dense, light brown fine SAND. No petroleum or volatile odor.			12
13									13
14	S-8	24/13	14-16	10-11-13-15	ND	Medium dense, light brown fine SAND. No petroleum or volatile odor.			14
15									15
16	S-9	24/16	16-18	10-12-15-14	ND	Medium dense, light brown fine SAND. No petroleum or volatile odor.			16
17									17
18						Boring Continued on Page 2 of 2			18

Equipment Installed



Remarks:

Soils described using "Modified Burmister Method"

TOW Elevation - Elevation of top of well PVC riser, based on TOW elevation of MW-2 at 334.89 feet

Well Depth shown is actual installed depth. Depth measured during groundwater sampling may reflect a loss of depth due to sedimentation.

NM - Not Measured

*Sample submitted for laboratory analysis.

Graphically shows depth of the water table inferred from field observations during soil boring activities.

Boring No: **CA-3**

Geologic Log

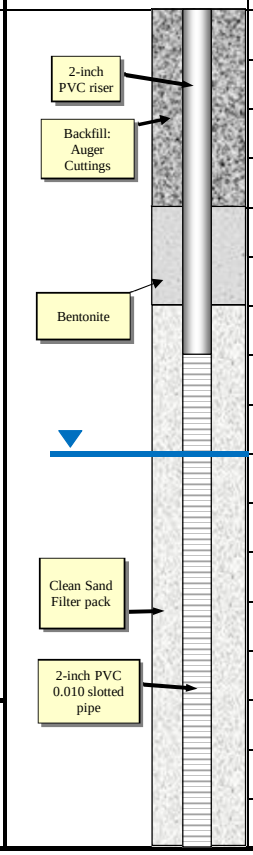
Credere Associates, LLC
776 Main Street
Westbrook, Maine 04092

SITE INFORMATION		WELL SPECIFICATIONS	
Project Number/Client: 10001086/Former Polyclad Laminates Site		**Well Depth (feet) from TOW:**	35 (field measurement)
Site Location: 45 Tannery Street, Franklin, NH		**Screen Length (feet):**	10
NHDES Site#: 199902062	**Date Start/Finish:** 06-29-11	**TOW Elev. (feet):** 335.25	**Ground Elevation:** NM
Credere, LLC Representative: Jonathan O'Donnell		**Well Material:** 2" PVC - 0.010-inch PVC Slotted Pipe and Riser	
CONTRACTOR		**DRILLING EQUIPMENT**	
Drilling Contractor: T&K Drilling		**Equipment:** 4 1/4" ID Hollow Stem Auger	
Foreman: Sean McGarry		**Casing Diameter:** NA	
Drilling Method: Auger		**Casing Material:** NA	

CA-3

Depth	Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)	Soil Description and Classification	Strata	USCS Code
18	S-10	24/15	18-20	14-15-17-17	ND	Dense, light brown fine SAND. No petroleum or volatile odor.		
19								
20	S-11	24/16	20-22	9-10-15-16	ND	Medium dense, light brown fine SAND. No petroleum or volatile odor.		
21								
22	S-12	24/15	22-24	15-15-17-19	ND	Dense, light brown fine SAND. No petroleum or volatile odor.		
23								
24	S-13	24/17	24-26	5-10-12-15	ND	Medium dense, light brown fine SAND. No petroleum or volatile odor.		
25								
26	S-14	24//15	26-28	14-15-14-15	ND	Medium dense, light brown fine SAND. No petroleum or volatile odor.		
27								
28	S-15	24/16	28-30	3-6-8-10	ND	Medium dense, light brown fine SAND. No petroleum or volatile odor.		
29								
30	S-16	24/15	30-32	3-3-4-5	ND	Loose, light brown fine SAND. No petroleum or volatile odor.		
31								
32	**End of sampling at 32'. Boring advanced to 35 feet for installation of well.**							
33								
34								
35	**Well Set at 35'**							

Equipment Installed



Remarks:

Soils described using "Modified Burmister Method"

TOW Elevation - Elevation of top of well PVC riser, based on TOW elevation of MW-2 at 334.89 feet

Well Depth shown is actual installed depth. Depth measured during groundwater sampling may reflect a loss of depth due to sedimentation.

NM - Not Measured

*Sample submitted for laboratory analysis.

▼ Graphically shows depth of the water table inferred from field observations during soil boring activities.

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.

Boring No: **CA-3**

Geologic Log

Credere Associates, LLC
776 Main Street
Westbrook, Maine 04092

CA-4

SITE INFORMATION		WELL SPECIFICATIONS		
Project Number/Client: 10001086/Former Polyclad Laminates Site		**Well Depth (feet) from TOW:** N/A		
Site Location: 45 Tannery Street, Franklin, NH		**Screen Length (feet):** N/A		
NHDES Site#: 199902062	**Date Start/Finish:** 06-29-11	**TOW Elev. (feet):** N/A	**Ground Elevation:**	NM
Credere, LLC Representative: Jonathan O'Donnell		**Well Material:** N/A		
CONTRACTOR		**DRILLING EQUIPMENT**		
Drilling Contractor: T&K Drilling		**Equipment:** 4 1/4" ID Hollow Stem Auger		
Foreman: Sean McGarry		**Casing Diameter:** NA		
Drilling Method: Auger		**Casing Material:** NA		

Depth	Sample Information: Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)	Soil Description and Classification	Strata	USCS Code	Equipment Installed	Depth
0						No Sampling from 0 to 10 feet below ground surface. Purpose of boring was to assess soil beneath the press pits, beginning at 10 feet below ground surface.			No Monitoring Well Installed	0
1										1
2										2
3										3
4										4
5										5
6										6
7										7
8										8
9										9
10	S-1*	24/12	10-12	1-2-2-3	ND	Loose, brown, medium to coarse SAND and Gravel. Slight aromatic odor.	Poorly Graded Sand	SP		10
11										11
12	S-2	24/16	12-14	3-4-2-4	ND	Loose, brown, medium to coarse SAND and Gravel. Slight aromatic odor.				12
13										13
14						End of sampling at 14'				14

Remarks:
Soils described using "Modified Burmister Method"
NM - Not Measured
*Sample submitted for laboratory analysis.

Boring No: **CA-4**

Geologic Log

Credere Associates, LLC
776 Main Street
Westbrook, Maine 04092

CA-5

SITE INFORMATION		WELL SPECIFICATIONS	
Project Number/Client: 10001086/Former Polyclad Laminates Site		**Well Depth (feet) from TOW:** N/A	
Site Location: 45 Tannery Street, Franklin, NH		**Screen Length (feet):** N/A	
NHDES Site#: 199902062	**Date Start/Finish:** 06-29-11	**TOW Elev. (feet):** N/A	**Ground Elevation:** NM
Credere, LLC Representative: Jonathan O'Donnell		**Well Material:** N/A	
CONTRACTOR		**DRILLING EQUIPMENT**	
Drilling Contractor: T&K Drilling		**Equipment:** 4 1/4" ID Hollow Stem Auger	
Foreman: Sean McGarry		**Casing Diameter:** NA	
Drilling Method: Auger		**Casing Material:** NA	

Depth	Sample Information: Sample No.	Pen/Rec (In.)	Depth (Ft.)	Blows (/0.5')	PID (ppm) (RF=1.0)	Soil Description and Classification	Strata	USCS Code	Equipment Installed	Depth
0						No Sampling from 0 to 10 feet below ground surface. Purpose of boring was to assess soil beneath the press pits, beginning at 10 feet below ground surface.			No Monitoring Well Installed	0
1										1
2										2
3										3
4										4
5										5
6										6
7										7
8										8
9										9
10	S-1	24/12	10-12	1-5-6-4	ND	Medium dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.	Poorly Graded Sand	SP		10
11										11
12	S-2*	24/13	12-14	4-6-6-7	ND	Medium dense, brown, medium to coarse SAND and Gravel. Slight aromatic odor.				12
13										13
14						**End of sampling at 14'**				14

Remarks:
Soils described using "Modified Burmister Method"
NM - Not Measured
*Sample submitted for laboratory analysis.

Boring No: **CA-5**

APPENDIX E

GROUNDWATER SAMPLING LOGS

LOW FLOW SAMPLING LOG
CREDERE ASSOCIATES

Community Economy Environment
Credere Associates LLC

PROJECT NAME: BOLLARD DATE: 7 / 5 / 2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: CA-1

LOCATION ACTIVITY
START: 1440
END: 1520

WELL DATA:

WELL DEPTH (ft): 34.42 [X] MEASURED [ ] HISTORICAL

WATER DEPTH (ft): 28.02 [X] MEASURED [ ] HISTORICAL

[X] TOP OF WELL
[ ] TOP OF CASING
[ ] FROM GRADE
[ ] _____

WATER LEVEL EQUIPMENT USED:
[X] ELECT. COND. PROBE
[ ] FLOAT ACTIVATED PROBE
[ ] PRESSURE TRANSDUCER
[ ] _____

WELL MATERIAL:
[X] PVC
[ ] SS
[ ] _____

WELL LOCKED:
[ ] YES
[X] NO

PROTECTIVE CASING SECURE:
[X] YES
[ ] NO

CONCRETE COLLAR INTACT:
[X] YES
[ ] NO

AMBIENT AIR VOC: _____ PPM

WELL MOUTH VOC: _____ PPM

EQUIPMENT DATA:

PURGING	SAMPLING		METER ID
[ ]	[ ]	PERISTALTIC PUMP	[ ] pH
[X]	[ ]	SUBMERSIBLE	[ ] Specific Conductivity
[ ]	[ ]	BLADDER PUMP	[ ] Dissolved Oxygen
[ ]	[ ]	HAND PUMP	[ ] ORP
[ ]	[ ]	DEDICATED HDPE	[ ] Turbidity
[ ]	[ ]	NEW HDPE	
[ ]	[ ]	DEDICATED LDPE	
[ ]	[ ]	NEW LDPE	
	[ ]	FILTER	
[ ]	[X]	BAILER	

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): _____ [ ] MEASURED [ ] ESTIMATED

TIME	TEMP (°C)	pH	COND. (mS)	ORP (mV)	D.O. (mg/l)	TURBID. (ntu)	COMMENTS
1440	15.13	5.86	.190	116.7	6.44		V BROWN TURBID/NO ODOR (3 GALLONS)
1444	13.71	5.96	.181	130.6	9.11		(5 GALLONS) TURBID
1450	13.37	6.26	.175	126.5	13.53		(10 GALLONS) TURBID
1456	14.07	6.33	.172	125.8	10.74	331	(14 GALLONS) SLIGHTLY LESS TURBID

SAMPLE DATA:

SAMPLE BOTTLE ID TIME	LOCATION	PRESERVATION METHOD	SAMPLE CONTAINER #	TYPE	LABORATORY ANALYSIS
CA-2	1515				
(VOCs ONLY)	↓				

NOTES:

_____
SAMPLER

LOW FLOW SAMPLING LOG
CREDERE ASSOCIATES

Community Economy Environment
Credere Associates LLC

PROJECT NAME: PLICAD
DATE: 7/5/11

PROJECT NUMBER: 100010B6

LOCATION ACTIVITY
START: 1350
END:

SAMPLE LOCATION ID: CA-2

WELL DATA:

WELL DEPTH (ft): 34.41 [X] MEASURED [ ] HISTORICAL
[X] TOP OF WELL [ ] TOP OF CASING [ ] FROM GRADE [ ]

WATER DEPTH (ft): 27.57 [X] MEASURED [ ] HISTORICAL

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

WELL MATERIAL: [X] 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			METER ID
[ ]	[ ]	PERISTALTIC PUMP	[X] pH	451
[X]	[ ]	SUBMERSIBLE	[X] Specific Conductivity	
[ ]	[ ]	BLADDER PUMP	[X] Dissolved Oxygen	
[ ]	[ ]	HAND PUMP	[X] ORP	
[ ]	[ ]	DEDICATED HDPE	[X] Turbidity	Lamotte 2020
[ ]	[ ]	NEW HDPE		
[ ]	[ ]	DEDICATED LDPE		
[ ]	[ ]	NEW LDPE		
	[ ]	FILTER		
[ ]	[X]	BAILER		

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): _____ [ ] MEASURED [ ] ESTIMATED

TIME	TEMP (°C)	pH	COND. (mS)	ORP (mV)	D.O. (mg/l)	TURBID. (ntu)	COMMENTS
1355	3.83	6.16	.203	6.40	10.85		V. Hint of BLACK/OPAQUE TURBID (3 GAL)
1400	14.67	5.97	.204	-13.6	1.39		(6 GALLONS) ODOR SAME
1405	13.27	6.11	.199	-60.9	0.04	99.7	(12 GALLONS) ODOR STILL
1410	19.12	6.43	.224	-65.8	0.52		(18 GALLONS)
1415	14.06	6.19	.195	-81.9	-3.28		(24 GALLONS) Clearer
1420	14.10	6.54	0.196	-71.2	0.71	29.7	(30 gal) clearer

SAMPLE DATA:

SAMPLE BOTTLE ID TIME	LOCATION	PRESERVATION METHOD	SAMPLE CONTAINER #	TYPE	LABORATORY ANALYSIS
1420	CA-2	HNO_3	1	ABE	Metals
		HCl	2	VOA	VOCs
		none	1	Amber	SVOCs

NOTES:

BLACK, OPAQUE TURBID, SMELLS LIKE PETROLEUM

SAMPLER

LOW FLOW SAMPLING LOG
CREDERE ASSOCIATES

Community Economy Environment
Credere Associates LLC

PROJECT NAME: POLYCLAD DATE: 7 / 5 / 2011

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: CA-3

LOCATION ACTIVITY
START: 15 15
END: 15 45

WELL DATA:

WELL DEPTH (ft): 34.57 [✓] MEASURED [ ] HISTORICAL

WATER DEPTH (ft): 27.75 [✓] MEASURED [ ] HISTORICAL

[ ] TOP OF WELL
[ ] TOP OF CASING
[ ] FROM GRADE
[ ] _____

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

WELL MATERIAL:	WELL LOCKED:	PROTECTIVE CASING SECURE:	CONCRETE COLLAR INTACT:
[✓] PVC	[ ] YES	[✓] YES	[✓] YES
[ ] SS	[✓] NO	[ ] NO	[ ] NO
[ ] _____			

AMBIENT AIR VOC: _____ PPM

WELL MOUTH VOC: _____ PPM

EQUIPMENT DATA:

PURGING	SAMPLING		METER ID	DECONTAMINATION FLUIDS USED:
[ ]	[ ]	PERISTALTIC PUMP	[ ] pH	[ ] DISTILLED WATER
[✓]	[ ]	SUBMERSIBLE	[ ] Specific Conductivity	[ ] DEIONIZED WATER
[ ]	[ ]	BLADDER PUMP	[ ] Dissolved Oxygen	[ ] POTABLE WATER
[ ]	[ ]	HAND PUMP	[ ] ORP	[ ] TSP SOLUTION
[ ]	[ ]	DEDICATED HDPE	[ ] Turbidity	[ ] ALCONOX SOLUTION
[ ]	[ ]	NEW HDPE		[ ] NONE
[ ]	[ ]	DEDICATED LDPE		[ ] _____
[ ]	[ ]	NEW LDPE		[ ] _____
	[ ]	FILTER		
[ ]	[✓]	BAILER		

FIELD ANALYSIS DATA:

PUMP ON: _____ PUMP OFF: _____ STABLE FLOW RATE (ml/min): _____ [ ] MEASURED [ ] ESTIMATED

TIME	TEMP (°C)	pH	COND. (mS)	ORP (mV)	D.O. (mg/l)	TURBID. (ntu)	COMMENTS
1518	14.15	6.91	.302	145.3	10.45		BROWN TURBID WATER NO ODOR
1524	17.03	6.07	.319	157.6	15.84	36.4	(5 GALLONS)
1536	14.74	5.97	.304	166.5	15.24		(10 GALLONS) NO ODOR – SLIGHT TURBID

SAMPLE DATA:

SAMPLE BOTTLE ID TIME	LOCATION	PRESERVATION METHOD	SAMPLE CONTAINER #	TYPE	LABORATORY ANALYSIS
1530	CA-3				

NOTES:

_____
SAMPLER

LOW FLOW SAMPLING LOG
CREDERE ASSOCIATES

Community Economy Environment
Credere Associates LLC

PROJECT NAME: POLYCLAD
DATE: 7,5,11

PROJECT NUMBER: 10001086

LOCATION ACTIVITY
START: 1250
END: 1321

SAMPLE LOCATION ID: MW-2

WELL DATA:

WELL DEPTH (ft): 33.96 [X] MEASURED [ ] HISTORICAL
[X] TOP OF WELL [ ] TOP OF CASING [ ] FROM GRADE [ ] _____

WATER DEPTH (ft): 27.64 [X] MEASURED [ ] HISTORICAL

WATER LEVEL EQUIPMENT USED:
[X] ELECT. COND. PROBE
[ ] FLOAT ACTIVATED PROBE
[ ] PRESSURE TRANSDUCER
[ ] _____

WELL MATERIAL: [X] PVC [ ] SS [ ] _____
WELL LOCKED: [ ] YES [X] NO
PROTECTIVE CASING SECURE: [X] YES [ ] NO
CONCRETE COLLAR INTACT: [X] YES [ ] NO

AMBIENT AIR VOC: _____ PPM
WELL MOUTH VOC: _____ PPM

EQUIPMENT DATA:

PURGING	SAMPLING			METER ID
[ ]	[ ]	PERISTALTIC PUMP	[ ] pH	YSI
[X]	[ ]	SUBMERSIBLE	[ ] Specific Conductivity	
[ ]	[ ]	BLADDER PUMP	[ ] Dissolved Oxygen	
[ ]	[ ]	HAND PUMP	[ ] ORP	
[ ]	[ ]	DEDICATED HDPE	[ ] Turbidity	LAMOTTE 2020
[ ]	[ ]	NEW HDPE		
[ ]	[ ]	DEDICATED LDPE		
[ ]	[ ]	NEW LDPE		
	[ ]	FILTER		
[ ]	[X]	BAILER		

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): _____ [ ] MEASURED [ ] ESTIMATED

TIME	TEMP (°C)	pH	COND. (mS)	ORP (mV)	D.O. (mg/l)	TURBID. (ntu)	COMMENTS
1301	16.04	6.28	0.258	-0.4	2.14	32.2	2 gal slight odor
1306	12.95	6.06	0.234	7.5	1.84	—	5 gal "
1309	12.82	6.29	0.255	12.7	4.07		6 gal slight odor
1321	12.04	6.18	.228	18.4	9.3		8 gal

SAMPLE DATA:

SAMPLE BOTTLE ID TIME	SAMPLE BOTTLE ID LOCATION	PRESERVATION METHOD	SAMPLE CONTAINER #	SAMPLE CONTAINER TYPE	LABORATORY ANALYSIS
1320	MW-2	HNO_3	1	LDPE	VOCs
		HCl	2	VOA	PB

NOTES: Purge sampling, well volume ≈ 0.8 ft³

JSB
SAMPLER

PURGE + BAILER
~~LOW FLOW~~ SAMPLING LOG
CREDERE ASSOCIATES

Community Economy Environment
Credere Associates LLC

PROJECT NAME: POLYCLAD
DATE: 7, 14, 11

PROJECT NUMBER: 10001086

SAMPLE LOCATION ID: CA-2

LOCATION ACTIVITY
START: 1435
END: 1545

WELL DATA:

WELL DEPTH (ft): 34.40 [X] MEASURED [ ] HISTORICAL
WATER DEPTH (ft): 28.10 [X] MEASURED [ ] HISTORICAL

[X] TOP OF WELL
[ ] TOP OF CASING
[ ] FROM GRADE
[ ] _____

WATER LEVEL EQUIPMENT USED:
[X] ELECT. COND. PROBE
[ ] FLOAT ACTIVATED PROBE
[ ] PRESSURE TRANSDUCER
[ ] _____

WELL MATERIAL: [X] PVC [ ] SS [ ] _____
WELL LOCKED: [ ] YES [X] NO
PROTECTIVE CASING SECURE: [X] YES [ ] NO
CONCRETE COLLAR INTACT: [X] YES [ ] NO

AMBIENT AIR VOC: N/A PPM
WELL MOUTH VOC: N/A PPM

EQUIPMENT DATA:

PURGING	SAMPLING			METER ID
[ ]	[ ]	PERISTALTIC PUMP	[X] pH	457
[X]	[ ]	SUBMERSIBLE	[X] Specific Conductivity	"
[ ]	[ ]	BLADDER PUMP	[X] Dissolved Oxygen	"
[ ]	[ ]	HAND PUMP	[X] ORP	"
[ ]	[ ]	DEDICATED HDPE	[X] Turbidity	Lamotte 2020
[ ]	[ ]	NEW HDPE		
[ ]	[ ]	DEDICATED LDPE		
[ ]	[ ]	NEW LDPE		
	[X]	FILTER		
[ ]	[X]	BAILER		

DECONTAMINATION FLUIDS USED:
[ ] DISTILLED WATER
[ ] DEIONIZED WATER
[X] POTABLE WATER
[ ] TSP SOLUTION
[ ] ALCONOX SOLUTION
[ ] NONE
[ ] _____
[ ] _____

FIELD ANALYSIS DATA:

PUMP ON: _____ PUMP OFF: _____ STABLE FLOW RATE (ml/min): _____ [ ] MEASURED [ ] ESTIMATED

TIME	TEMP (°C)	pH	COND. (mS)	~~ORP~~ DO (mV)	~~D.O.~~ ORP (mg/l)	TURBID. (ntu)	COMMENTS
1515	16.21	5.99	0.184	3.25	135.1	485	
1525	14.19	6.13	0.191	10.11	140.7		
1534	13.42	6.21	0.193	8.35	142.7	95	
1539	13.49	6.25	0.198	10.31	142.7	70	

SAMPLE DATA:

SAMPLE BOTTLE ID TIME	LOCATION	PRESERVATION METHOD	SAMPLE CONTAINER #	TYPE	LABORATORY ANALYSIS
1539	CA-2	HNO_3	1	LDPE	RCRA 8 Metals

NOTES: PURGED 15 gallons

SBO
SAMPLER

APPENDIX F

LABORATORY ANALYTICAL REPORTS

Absolute Resource associates
124 Heritage Avenue #10 Portsmouth, NH 03801

Jonathan O'Donnell
CREDERE Associates
776 Main Street
Westbrook, ME 04092

PO Number: None
Job ID: 21886
Date Received: 6/29/11

Project: POLYCLAD 10001086

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 Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures 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.

Absolute Resource Associates 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,
Absolute Resource Associates

Sue Sylvester
Principal, General Manager

Date of Approval: 7/11/2011
Total number of pages: 58

Absolute Resource Associates Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: POLYCLAD 10001086
Lab ID: 21886

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
CA-SS-1	Solid	6/28/2011 15:12	21886-001	
				PAHs in solid by 8270
				Percent Dry Matter for Sample Calc by SM2540B,G
CA-SS-2	Solid	6/28/2011 16:28	21886-002	
				PAHs in solid by 8270
				Percent Dry Matter for Sample Calc by SM2540B,G
CA-TP-8	Solid	6/28/2011 10:48	21886-003	
				TPH in solids by 8100
				PAHs in solid by 8270
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-TP-10	Solid	6/28/2011 11:50	21886-004	
				Solid Digestion for ICP Analysis
				Lead in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-TP-11	Solid	6/28/2011 12:31	21886-005	
				Solid Digestion for ICP Analysis
				Lead in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-TP-13	Solid	6/28/2011 15:00	21886-006	
				PCBs in soil by 8082
				PAHs in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Copper in solids by 6010
				Mercury in solids by 7471
				Nickel in solids by 6010
				Lead in solids by 6010
				Selenium in solids by 6010
				Zinc in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-TP-14	Solid	6/28/2011 15:50	21886-007	
				PAHs in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Copper in solids by 6010
				Mercury in solids by 7471
				Nickel in solids by 6010
				Lead in solids by 6010
				Selenium in solids by 6010
				Zinc in solids by 6010

Absolute Resource associates

Project ID: POLYCLAD 10001086
Lab ID: 21886

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
CA-TP-14	Solid	6/28/2011 15:50	21886-007	
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-TP-15	Solid	6/28/2011 16:25	21886-008	
				PAHs in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Copper in solids by 6010
				Mercury in solids by 7471
				Nickel in solids by 6010
				Lead in solids by 6010
				Selenium in solids by 6010
				Zinc in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-TP-16	Solid	6/28/2011 17:00	21886-009	
				PAHs in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Copper in solids by 6010
				Mercury in solids by 7471
				Nickel in solids by 6010
				Lead in solids by 6010
				Selenium in solids by 6010
				Zinc in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-TP-17	Solid	6/28/2011 14:40	21886-010	
				PAHs in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Copper in solids by 6010
				Mercury in solids by 7471
				Nickel in solids by 6010
				Lead in solids by 6010
				Selenium in solids by 6010
				Zinc in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-TP-18	Solid	6/28/2011 14:48	21886-011	

Absolute Resource associates

Project ID: POLYCLAD 10001086
Lab ID: 21886

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
CA-TP-18	Solid	6/28/2011 14:48	21886-011	
				PAHs in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Copper in solids by 6010
				Mercury in solids by 7471
				Nickel in solids by 6010
				Lead in solids by 6010
				Selenium in solids by 6010
				Zinc in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-TP-DUP-1	Solid	6/28/2011	21886-012	
				PAHs in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Copper in solids by 6010
				Mercury in solids by 7471
				Nickel in solids by 6010
				Lead in solids by 6010
				Selenium in solids by 6010
				Zinc in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
D-Floor Covering	Solid	6/28/2011 15:35	21886-013	
				PCBs in soil by 8082
Transformer Pit	Solid	6/28/2011 12:55	21886-014	
				PCBs in soil by 8082
				Percent Dry Matter for Sample Calc by SM2540B,G
CA-3	Solid	6/29/2011 10:47	21886-015	
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
Trip Blank	Solid	6/28/2011	21886-016	
				VOCs in solid by 8260 Petro & Haz Waste

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21886

Sample#: 21886-003
Sample ID: CA-TP-8
Matrix: Solid Percent Dry: 87.3% Results expressed on a dry weight basis.
Sampled: 6/28/11 10:48

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-003
Sample ID: CA-TP-8
Matrix: Solid Percent Dry: 87.3% Results expressed on a dry weight basis.
Sampled: 6/28/11 10:48

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**90**	78-114	%	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
toluene-D8 SUR	**92**	88-110	%	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
4-bromofluorobenzene SUR	**97**	86-115	%	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B
a,a,a-trifluorotoluene SUR	**112**	70-130	%	1	LMM	6/30/11	4295	6/30/11	17:35	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-004
Sample ID: CA-TP-10
Matrix: Solid Percent Dry: 88.5% Results expressed on a dry weight basis.
Sampled: 6/28/11 11:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
trichlorofluoromethane	**0.3**	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
acetone	< 3	3	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
t-butanol (TBA)	< 3	3	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
2-butanone (MEK)	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
tetrahydrofuran (THF)	< 0.7	0.7	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,4-dioxane	< 3	3	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.6	0.6	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
2-hexanone	< 0.7	0.7	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-004
Sample ID: CA-TP-10
Matrix: Solid Percent Dry: 88.5% Results expressed on a dry weight basis.
Sampled: 6/28/11 11:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
m&p-xylenes	**0.1**	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**88**	78-114	%	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
toluene-D8 SUR	**94**	88-110	%	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
4-bromofluorobenzene SUR	**96**	86-115	%	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B
a,a,a-trifluorotoluene SUR	**106**	70-130	%	1	LMM	6/30/11	4295	6/30/11	18:06	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-005
Sample ID: CA-TP-11
Matrix: Solid Percent Dry: 97.2% Results expressed on a dry weight basis.
Sampled: 6/28/11 12:31

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
2-butanone (MEK)	< 0.2	0.2	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.3	0.3	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-005
Sample ID: CA-TP-11
Matrix: Solid Percent Dry: 97.2% Results expressed on a dry weight basis.
Sampled: 6/28/11 12:31

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**87**	78-114	%	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
toluene-D8 SUR	**94**	88-110	%	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
4-bromofluorobenzene SUR	**98**	86-115	%	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B
a,a,a-trifluorotoluene SUR	**98**	70-130	%	1	LMM	6/30/11	4295	6/30/11	18:37	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-006
Sample ID: CA-TP-13
Matrix: Solid Percent Dry: 95.7% Results expressed on a dry weight basis.
Sampled: 6/28/11 15:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
2-butanone (MEK)	< 0.2	0.2	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
tetrahydrofuran (THF)	< 0.3	0.3	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.3	0.3	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
2-hexanone	< 0.3	0.3	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-006
Sample ID: CA-TP-13
Matrix: Solid Percent Dry: 95.7% Results expressed on a dry weight basis.
Sampled: 6/28/11 15:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**84**	78-114	%	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
toluene-D8 SUR	**91**	88-110	%	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
4-bromofluorobenzene SUR	**95**	86-115	%	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B
a,a,a-trifluorotoluene SUR	**101**	70-130	%	1	LMM	6/30/11	4295	6/30/11	19:08	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-007
Sample ID: CA-TP-14
Matrix: Solid Percent Dry: 91% Results expressed on a dry weight basis.
Sampled: 6/28/11 15:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
tetrahydrofuran (THF)	< 0.5	0.5	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
2-hexanone	< 0.5	0.5	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-007
Sample ID: CA-TP-14
Matrix: Solid Percent Dry: 91% Results expressed on a dry weight basis.
Sampled: 6/28/11 15:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**85**	78-114	%	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
toluene-D8 SUR	**91**	88-110	%	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
4-bromofluorobenzene SUR	**93**	86-115	%	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B
a,a,a-trifluorotoluene SUR	**104**	70-130	%	1	LMM	6/30/11	4295	6/30/11	19:39	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-008
Sample ID: CA-TP-15
Matrix: Solid Percent Dry: 75.2% Results expressed on a dry weight basis.
Sampled: 6/28/11 16:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
acetone	< 3	3	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
t-butanol (TBA)	< 3	3	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
2-butanone (MEK)	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
tetrahydrofuran (THF)	< 0.6	0.6	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,4-dioxane	< 3	3	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.6	0.6	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
2-hexanone	< 0.6	0.6	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-008
Sample ID: CA-TP-15
Matrix: Solid Percent Dry: 75.2% Results expressed on a dry weight basis.
Sampled: 6/28/11 16:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**81**	78-114	%	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
toluene-D8 SUR	**90**	88-110	%	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
4-bromofluorobenzene SUR	**93**	86-115	%	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B
a,a,a-trifluorotoluene SUR	**124**	70-130	%	1	LMM	6/30/11	4295	6/30/11	20:10	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-009
Sample ID: CA-TP-16
Matrix: Solid Percent Dry: 98.5% Results expressed on a dry weight basis.
Sampled: 6/28/11 17:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
2-butanone (MEK)	< 0.2	0.2	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.3	0.3	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-009
Sample ID: CA-TP-16
Matrix: Solid Percent Dry: 98.5% Results expressed on a dry weight basis.
Sampled: 6/28/11 17:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**82**	78-114	%	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
toluene-D8 SUR	**89**	88-110	%	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
4-bromofluorobenzene SUR	**97**	86-115	%	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B
a,a,a-trifluorotoluene SUR	**96**	70-130	%	1	LMM	6/30/11	4295	6/30/11	20:42	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-010
Sample ID: CA-TP-17
Matrix: Solid Percent Dry: 81.7% Results expressed on a dry weight basis.
Sampled: 6/28/11 14:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
acetone	< 3	3	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
t-butanol (TBA)	< 3	3	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
tetrahydrofuran (THF)	< 0.5	0.5	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,4-dioxane	< 3	3	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.5	0.5	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
2-hexanone	< 0.5	0.5	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-010
Sample ID: CA-TP-17
Matrix: Solid Percent Dry: 81.7% Results expressed on a dry weight basis.
Sampled: 6/28/11 14:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**82**	78-114	%	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
toluene-D8 SUR	**90**	88-110	%	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
4-bromofluorobenzene SUR	**95**	86-115	%	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B
a,a,a-trifluorotoluene SUR	**118**	70-130	%	1	LMM	6/30/11	4295	6/30/11	21:13	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-011
Sample ID: CA-TP-18
Matrix: Solid Percent Dry: 78.5% Results expressed on a dry weight basis.
Sampled: 6/28/11 14:48

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
acetone	< 3	3	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
t-butanol (TBA)	< 3	3	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
tetrahydrofuran (THF)	< 0.6	0.6	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,4-dioxane	< 3	3	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.5	0.5	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
2-hexanone	< 0.6	0.6	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-011
Sample ID: CA-TP-18
Matrix: Solid Percent Dry: 78.5% Results expressed on a dry weight basis.
Sampled: 6/28/11 14:48

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**88**	78-114	%	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
toluene-D8 SUR	**94**	88-110	%	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
4-bromofluorobenzene SUR	**95**	86-115	%	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B
a,a,a-trifluorotoluene SUR	**120**	70-130	%	1	LMM	6/30/11	4295	7/5/11	15:54	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-012
Sample ID: CA-TP-DUP-1
Matrix: Solid Percent Dry: 93.7% Results expressed on a dry weight basis.
Sampled: 6/28/11

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
2-butanone (MEK)	< 0.2	0.2	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.3	0.3	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-012
Sample ID: CA-TP-DUP-1
Matrix: Solid Percent Dry: 93.7% Results expressed on a dry weight basis.
Sampled: 6/28/11

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**96**	78-114	%	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
toluene-D8 SUR	**98**	88-110	%	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
4-bromofluorobenzene SUR	**97**	86-115	%	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B
a,a,a-trifluorotoluene SUR	**101**	70-130	%	1	LMM	6/30/11	4295	7/1/11	16:06	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-015
Sample ID: CA-3
Matrix: Solid Percent Dry: 95.5% Results expressed on a dry weight basis.
Sampled: 6/29/11 10:47

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
acetone	< 3	3	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
t-butanol (TBA)	< 3	3	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
2-butanone (MEK)	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
tetrahydrofuran (THF)	< 0.7	0.7	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,4-dioxane	< 3	3	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.6	0.6	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
2-hexanone	< 0.7	0.7	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-015
Sample ID: CA-3
Matrix: Solid Percent Dry: 95.5% Results expressed on a dry weight basis.
Sampled: 6/29/11 10:47

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**96**	78-114	%	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
toluene-D8 SUR	**101**	88-110	%	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
4-bromofluorobenzene SUR	**96**	86-115	%	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B
a,a,a-trifluorotoluene SUR	**101**	70-130	%	1	LMM	6/30/11	4295	7/1/11	16:39	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-016
Sample ID: Trip Blank
Matrix: Solid
Sampled: 6/28/11

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
tetrahydrofuran (THF)	< 0.5	0.5	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.4	0.4	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
2-hexanone	< 0.5	0.5	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-016
Sample ID: Trip Blank
Matrix: Solid
Sampled: 6/28/11

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**92**	78-114	%	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
toluene-D8 SUR	**90**	88-110	%	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
4-bromofluorobenzene SUR	**93**	86-115	%	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B
a,a,a-trifluorotoluene SUR	**98**	70-130	%	1	LMM	6/30/11	4295	6/30/11	17:05	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21886

Sample#: 21886-001
Sample ID: CA-SS-1
Matrix: Solid Percent Dry: 82.6% Results expressed on a dry weight basis.
Sampled: 6/28/11 15:12

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
naphthalene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
2-methylnaphthalene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
acenaphthylene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
acenaphthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
dibenzofuran	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
fluorene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
phenanthrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
anthracene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
pyrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
benzo(a)anthracene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
chrysene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
benzo(b)fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
benzo(k)fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
benzo(a)pyrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
dibenzo(a,h)anthracene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
benzo(g,h,i)perylene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**85**	43-116	%	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D
o-terphenyl SUR	**86**	33-141	%	1	AJD	7/1/11	4298	7/5/11	16:50	SW3550B8270D

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-002
Sample ID: CA-SS-2
Matrix: Solid Percent Dry: 82.9% Results expressed on a dry weight basis.
Sampled: 6/28/11 16:28

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
naphthalene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
2-methylnaphthalene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
acenaphthylene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
acenaphthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
dibenzofuran	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
fluorene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
phenanthrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
anthracene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
pyrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
benzo(a)anthracene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
chrysene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
benzo(b)fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
benzo(k)fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
benzo(a)pyrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
dibenzo(a,h)anthracene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
benzo(g,h,i)perylene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**82**	43-116	%	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D
o-terphenyl SUR	**84**	33-141	%	1	AJD	7/1/11	4298	7/5/11	21:16	SW3550B8270D

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-003
Sample ID: CA-TP-8
Matrix: Solid Percent Dry: 87.3% Results expressed on a dry weight basis.
Sampled: 6/28/11 10:48

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
naphthalene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
2-methylnaphthalene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
acenaphthylene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
acenaphthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
dibenzofuran	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
fluorene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
phenanthrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
benzo(a)anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
chrysene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
benzo(a)pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**84**	43-116	%	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D
o-terphenyl SUR	**88**	33-141	%	1	AJD	7/1/11	4298	7/5/11	21:54	SW3550B8270D

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-006
Sample ID: CA-TP-13
Matrix: Solid Percent Dry: 95.7% Results expressed on a dry weight basis.
Sampled: 6/28/11 15:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
naphthalene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
2-methylnaphthalene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
acenaphthylene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
acenaphthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
dibenzofuran	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
fluorene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
phenanthrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
benzo(a)anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
chrysene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
benzo(a)pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**82**	43-116	%	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D
o-terphenyl SUR	**89**	33-141	%	1	AJD	7/1/11	4298	7/5/11	19:22	SW3550B8270D

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-007
Sample ID: CA-TP-14
Matrix: Solid Percent Dry: 91% Results expressed on a dry weight basis.
Sampled: 6/28/11 15:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
naphthalene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
2-methylnaphthalene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
acenaphthylene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
acenaphthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
dibenzofuran	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
fluorene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
phenanthrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
benzo(a)anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
chrysene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
benzo(a)pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**78**	43-116	%	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D
o-terphenyl SUR	**84**	33-141	%	1	AJD	7/1/11	4298	7/5/11	20:00	SW3550B8270D

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-008
Sample ID: CA-TP-15
Matrix: Solid Percent Dry: 75.2% Results expressed on a dry weight basis.
Sampled: 6/28/11 16:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
naphthalene	< 3.3	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
2-methylnaphthalene	< 3.3	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
acenaphthylene	< 3.3	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
acenaphthene	**5.3**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
dibenzofuran	**3.6**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
fluorene	**7.7**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
phenanthrene	**100**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
anthracene	**33**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
fluoranthene	**160**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
pyrene	**160**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
benzo(a)anthracene	**80**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
chrysene	**74**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
benzo(b)fluoranthene	**46**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
benzo(k)fluoranthene	**80**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
benzo(a)pyrene	**66**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
indeno(1,2,3-cd)pyrene	**18**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
dibenzo(a,h)anthracene	**9.6**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
benzo(g,h,i)perylene	**16**	3.3	ug/g	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**81**	43-116	%	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D
o-terphenyl SUR	**82**	33-141	%	5	AJD	7/1/11	4298	7/7/11	11:29	SW3550B8270D

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-009
Sample ID: CA-TP-16
Matrix: Solid Percent Dry: 98.5% Results expressed on a dry weight basis.
Sampled: 6/28/11 17:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
naphthalene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
2-methylnaphthalene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
acenaphthylene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
acenaphthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
dibenzofuran	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
fluorene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
phenanthrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
benzo(a)anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
chrysene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
benzo(a)pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**81**	43-116	%	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D
o-terphenyl SUR	**86**	33-141	%	1	AJD	7/1/11	4298	7/5/11	17:28	SW3550B8270D

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-010
Sample ID: CA-TP-17
Matrix: Solid Percent Dry: 81.7% Results expressed on a dry weight basis.
Sampled: 6/28/11 14:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
naphthalene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
2-methylnaphthalene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
acenaphthylene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
acenaphthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
dibenzofuran	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
fluorene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
phenanthrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
anthracene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
pyrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
benzo(a)anthracene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
chrysene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
benzo(b)fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
benzo(k)fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
benzo(a)pyrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
dibenzo(a,h)anthracene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
benzo(g,h,i)perylene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**83**	43-116	%	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D
o-terphenyl SUR	**90**	33-141	%	1	AJD	7/1/11	4298	7/5/11	18:06	SW3550B8270D

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-011
Sample ID: CA-TP-18
Matrix: Solid Percent Dry: 78.5% Results expressed on a dry weight basis.
Sampled: 6/28/11 14:48

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
naphthalene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
2-methylnaphthalene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
acenaphthylene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
acenaphthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
dibenzofuran	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
fluorene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
phenanthrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
anthracene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
pyrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
benzo(a)anthracene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
chrysene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
benzo(b)fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
benzo(k)fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
benzo(a)pyrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
dibenzo(a,h)anthracene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
benzo(g,h,i)perylene	< 0.6	0.6	ug/g	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**83**	43-116	%	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D
o-terphenyl SUR	**88**	33-141	%	1	AJD	7/1/11	4298	7/5/11	18:44	SW3550B8270D

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-012
Sample ID: CA-TP-DUP-1
Matrix: Solid Percent Dry: 93.7% Results expressed on a dry weight basis.
Sampled: 6/28/11

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
naphthalene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
2-methylnaphthalene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
acenaphthylene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
acenaphthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
dibenzofuran	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
fluorene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
phenanthrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
benzo(a)anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
chrysene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
benzo(a)pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/g	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**86**	43-116	%	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D
o-terphenyl SUR	**91**	33-141	%	1	AJD	7/1/11	4298	7/5/11	20:38	SW3550B8270D

Project ID: POLYCLAD 10001086
Job ID: 21886

Sample#: 21886-006
Sample ID: CA-TP-13
Matrix: Solid Percent Dry: 95.7% Results expressed on a dry weight basis.
Sampled: 6/28/11 15:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/3/11	15:01	SW3540C8082A
PCB-1221	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/3/11	15:01	SW3540C8082A
PCB-1232	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/3/11	15:01	SW3540C8082A
PCB-1242	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/3/11	15:01	SW3540C8082A
PCB-1248	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/3/11	15:01	SW3540C8082A
PCB-1254	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/3/11	15:01	SW3540C8082A
PCB-1260	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/3/11	15:01	SW3540C8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**63**	30-150	%	1	JLZ	7/1/11	4297	7/3/11	15:01	SW3540C8082A
decachlorobiphenyl SUR	**72**	30-150	%	1	JLZ	7/1/11	4297	7/3/11	15:01	SW3540C8082A

Sample#: 21886-013
Sample ID: D-Floor Covering
Matrix: Solid
Sampled: 6/28/11 15:35

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:07	SW3540C8082A
PCB-1221	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:07	SW3540C8082A
PCB-1232	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:07	SW3540C8082A
PCB-1242	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:07	SW3540C8082A
PCB-1248	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:07	SW3540C8082A
PCB-1254	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:07	SW3540C8082A
PCB-1260	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:07	SW3540C8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**24** *	30-150	%	1	JLZ	7/1/11	4297	7/8/11	11:07	SW3540C8082A
decachlorobiphenyl SUR	**25** *	30-150	%	1	JLZ	7/1/11	4297	7/8/11	11:07	SW3540C8082A

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

Project ID: POLYCLAD 10001086
Job ID: 21886

Sample#: 21886-014
Sample ID: Transformer Pit
Matrix: Solid Percent Dry: 96.6% Results expressed on a dry weight basis.
Sampled: 6/28/11 12:55

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:38	SW3540C8082A
PCB-1221	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:38	SW3540C8082A
PCB-1232	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:38	SW3540C8082A
PCB-1242	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:38	SW3540C8082A
PCB-1248	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:38	SW3540C8082A
PCB-1254	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:38	SW3540C8082A
PCB-1260	< 0.03	0.03	ug/g	1	JLZ	7/1/11	4297	7/8/11	11:38	SW3540C8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**43**	30-150	%	1	JLZ	7/1/11	4297	7/8/11	11:38	SW3540C8082A
decachlorobiphenyl SUR	**63**	30-150	%	1	JLZ	7/1/11	4297	7/8/11	11:38	SW3540C8082A

Sample#: 21886-003
Sample ID: CA-TP-8
Matrix: Solid Percent Dry: 87.3% Results expressed on a dry weight basis.
Sampled: 6/28/11 10:48

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
TPH C10-C36	< 220	220	ug/g	1	JLZ	7/1/11	4299	7/6/11	17:36	SW3550B8100m
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**95**	40-140	%	1	JLZ	7/1/11	4299	7/6/11	17:36	SW3550B8100m
o-terphenyl SUR	**112**	40-140	%	1	JLZ	7/1/11	4299	7/6/11	17:36	SW3550B8100m

Project ID: POLYCLAD 10001086
Job ID: 21886

Sample#: 21886-004
Sample ID: CA-TP-10
Matrix: Solid Percent Dry: 88.5% Results expressed on a dry weight basis.
Sampled: 6/28/11 11:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Lead	**5.6**	0.6	ug/g	1	BJS	7/6/11	4310	7/6/11	22:48	SW3051A6010C

Sample#: 21886-005
Sample ID: CA-TP-11
Matrix: Solid Percent Dry: 97.2% Results expressed on a dry weight basis.
Sampled: 6/28/11 12:31

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Lead	**4.8**	0.6	ug/g	1	BJS	7/6/11	4310	7/6/11	22:55	SW3051A6010C

Sample#: 21886-006
Sample ID: CA-TP-13
Matrix: Solid Percent Dry: 95.7% Results expressed on a dry weight basis.
Sampled: 6/28/11 15:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**3.0**	0.6	ug/g	1	BJS	7/6/11	4310	7/6/11	23:03	SW3051A6010C
Barium	**23**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:03	SW3051A6010C
Cadmium	< 0.3	0.3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:03	SW3051A6010C
Chromium	**36**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:03	SW3051A6010C
Copper	**18**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:03	SW3051A6010C
Lead	**7.2**	0.6	ug/g	1	BJS	7/6/11	4310	7/6/11	23:03	SW3051A6010C
Mercury	< 0.08	0.08	ug/g	1	BJS	7/6/11	4308	7/7/11	9:59	SW7471B
Nickel	**7**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:03	SW3051A6010C
Selenium	< 3	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:03	SW3051A6010C
Silver	< 0.4	0.4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:03	SW3051A6010C
Zinc	**21**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:03	SW3051A6010C

Sample#: 21886-007
Sample ID: CA-TP-14
Matrix: Solid Percent Dry: 91% Results expressed on a dry weight basis.
Sampled: 6/28/11 15:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**1.4**	0.7	ug/g	1	BJS	7/6/11	4310	7/6/11	23:10	SW3051A6010C
Barium	**47**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:10	SW3051A6010C
Cadmium	< 0.3	0.3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:10	SW3051A6010C
Chromium	**260**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:10	SW3051A6010C
Copper	**14**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:10	SW3051A6010C
Lead	**6.2**	0.7	ug/g	1	BJS	7/6/11	4310	7/6/11	23:10	SW3051A6010C
Mercury	< 0.08	0.08	ug/g	1	BJS	7/6/11	4308	7/7/11	10:00	SW7471B
Nickel	**4**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:10	SW3051A6010C
Selenium	< 3	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:10	SW3051A6010C
Silver	< 0.5	0.5	ug/g	1	BJS	7/6/11	4310	7/6/11	23:10	SW3051A6010C
Zinc	**17**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:10	SW3051A6010C

Project ID: POLYCLAD 10001086
Job ID: 21886

Sample#: 21886-008
Sample ID: CA-TP-15
Matrix: Solid Percent Dry: 75.2% Results expressed on a dry weight basis.
Sampled: 6/28/11 16:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**6.1**	0.7	ug/g	1	BJS	7/6/11	4310	7/6/11	23:18	SW3051A6010C
Barium	**22**	4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:18	SW3051A6010C
Cadmium	< 0.3	0.3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:18	SW3051A6010C
Chromium	**9**	4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:18	SW3051A6010C
Copper	**20**	4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:18	SW3051A6010C
Lead	**28**	0.7	ug/g	1	BJS	7/6/11	4310	7/6/11	23:18	SW3051A6010C
Mercury	< 0.10	0.10	ug/g	1	BJS	7/6/11	4308	7/7/11	10:02	SW7471B
Nickel	**6**	4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:18	SW3051A6010C
Selenium	< 4	4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:18	SW3051A6010C
Silver	< 0.5	0.5	ug/g	1	BJS	7/6/11	4310	7/6/11	23:18	SW3051A6010C
Zinc	**23**	4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:18	SW3051A6010C

Sample#: 21886-009
Sample ID: CA-TP-16
Matrix: Solid Percent Dry: 98.5% Results expressed on a dry weight basis.
Sampled: 6/28/11 17:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**1.2**	0.6	ug/g	1	BJS	7/6/11	4310	7/6/11	23:25	SW3051A6010C
Barium	**12**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:25	SW3051A6010C
Cadmium	< 0.2	0.2	ug/g	1	BJS	7/6/11	4310	7/6/11	23:25	SW3051A6010C
Chromium	**5**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:25	SW3051A6010C
Copper	**10**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:25	SW3051A6010C
Lead	**3.2**	0.6	ug/g	1	BJS	7/6/11	4310	7/6/11	23:25	SW3051A6010C
Mercury	< 0.07	0.07	ug/g	1	BJS	7/6/11	4308	7/7/11	10:04	SW7471B
Nickel	**4**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:25	SW3051A6010C
Selenium	< 3	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:25	SW3051A6010C
Silver	< 0.4	0.4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:25	SW3051A6010C
Zinc	**9**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:25	SW3051A6010C

Project ID: POLYCLAD 10001086
Job ID: 21886

Sample#: 21886-010
Sample ID: CA-TP-17
Matrix: Solid Percent Dry: 81.7% Results expressed on a dry weight basis.
Sampled: 6/28/11 14:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**2.7**	0.7	ug/g	1	BJS	7/6/11	4310	7/6/11	23:33	SW3051A6010C
Barium	**11**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:33	SW3051A6010C
Cadmium	< 0.3	0.3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:33	SW3051A6010C
Chromium	**9**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:33	SW3051A6010C
Copper	**22**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:33	SW3051A6010C
Lead	**4.8**	0.7	ug/g	1	BJS	7/6/11	4310	7/6/11	23:33	SW3051A6010C
Mercury	< 0.07	0.07	ug/g	1	BJS	7/6/11	4308	7/7/11	10:06	SW7471B
Nickel	**4**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:33	SW3051A6010C
Selenium	< 3	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:33	SW3051A6010C
Silver	< 0.5	0.5	ug/g	1	BJS	7/6/11	4310	7/6/11	23:33	SW3051A6010C
Zinc	**13**	3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:33	SW3051A6010C

Sample#: 21886-011
Sample ID: CA-TP-18
Matrix: Solid Percent Dry: 78.5% Results expressed on a dry weight basis.
Sampled: 6/28/11 14:48

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**2.7**	0.7	ug/g	1	BJS	7/6/11	4310	7/6/11	23:40	SW3051A6010C
Barium	**16**	4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:40	SW3051A6010C
Cadmium	< 0.3	0.3	ug/g	1	BJS	7/6/11	4310	7/6/11	23:40	SW3051A6010C
Chromium	**7**	4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:40	SW3051A6010C
Copper	**13**	4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:40	SW3051A6010C
Lead	**4.9**	0.7	ug/g	1	BJS	7/6/11	4310	7/6/11	23:40	SW3051A6010C
Mercury	< 0.08	0.08	ug/g	1	BJS	7/6/11	4308	7/7/11	10:08	SW7471B
Nickel	**6**	4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:40	SW3051A6010C
Selenium	< 4	4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:40	SW3051A6010C
Silver	< 0.5	0.5	ug/g	1	BJS	7/6/11	4310	7/6/11	23:40	SW3051A6010C
Zinc	**15**	4	ug/g	1	BJS	7/6/11	4310	7/6/11	23:40	SW3051A6010C

Project ID: POLYCLAD 10001086
Job ID: 21886
Sample#: 21886-012
Sample ID: CA-TP-DUP-1
Matrix: Solid Percent Dry: 93.7% Results expressed on a dry weight basis.
Sampled: 6/28/11

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	< 0.6	0.6	ug/g	1	BJS	7/6/11	4310	7/7/11	0:18	SW3051A6010C
Barium	**92**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:18	SW3051A6010C
Cadmium	< 0.3	0.3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:18	SW3051A6010C
Chromium	**300**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:18	SW3051A6010C
Copper	**16**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:18	SW3051A6010C
Lead	**7.0**	0.6	ug/g	1	BJS	7/6/11	4310	7/7/11	0:18	SW3051A6010C
Mercury	< 0.09	0.09	ug/g	1	BJS	7/6/11	4308	7/7/11	10:13	SW7471B
Nickel	**4**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:18	SW3051A6010C
Selenium	< 3	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:18	SW3051A6010C
Silver	< 0.4	0.4	ug/g	1	BJS	7/6/11	4310	7/7/11	0:18	SW3051A6010C
Zinc	**20**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:18	SW3051A6010C

Quality Control Report

124 Heritage Avenue Unit 10
Portsmouth, NH 03801
www.absoluteresourceassociates.com

Case Narrative
Lab # 21886

Sample Receiving and Chain of Custody Discrepancies

Samples were received in acceptable condition, at 5 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Calibration

No exceptions noted.

Method Blank

No exceptions noted.

Surrogate Recoveries

PCB: The surrogates for 21886-013 were below the acceptance criteria. Matrix interference suspected.

Laboratory Control Sample Results

VOC: The MLCS/D4295 did not meet the acceptance criteria for chloromethane. This compound showed high recovery. There is no impact to the data as this analyte was not detected in the associated samples. The MLCS/D4295 did not meet the acceptance criteria for dichlorodifluoromethane. The MLCSD4295 did not meet the acceptance criteria for bromomethane. The recovery was acceptable in the LCS. These compounds are known to be problematic in the method.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results

Not requested for this project.

Other

Reporting Limits: Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

- QC Report -

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW5035A8260B	MB4295	dichlorodifluoromethane		<	0.1	ug/g					
		chloromethane		<	0.1	ug/g					
		vinyl chloride		<	0.1	ug/g					
		bromomethane		<	0.2	ug/g					
		chloroethane		<	0.1	ug/g					
		trichlorofluoromethane		<	0.1	ug/g					
		diethyl ether		<	0.5	ug/g					
		acetone		<	2.5	ug/g					
		1,1-dichloroethene		<	0.1	ug/g					
		methylene chloride		<	0.2	ug/g					
		carbon disulfide		<	0.1	ug/g					
		methyl t-butyl ether (MTBE)		<	0.1	ug/g					
		trans-1,2-dichloroethene		<	0.1	ug/g					
		isopropyl ether (DIPE)		<	0.1	ug/g					
		ethyl t-butyl ether (ETBE)		<	0.1	ug/g					
		1,1-dichloroethane		<	0.1	ug/g					
		t-butanol (TBA)		<	2.5	ug/g					
		2-butanone (MEK)		<	0.5	ug/g					
		2,2-dichloropropane		<	0.1	ug/g					
		cis-1,2-dichloroethene		<	0.1	ug/g					
		chloroform		<	0.1	ug/g					
		bromochloromethane		<	0.1	ug/g					
		tetrahydrofuran (THF)		<	0.5	ug/g					
		1,1,1-trichloroethane		<	0.1	ug/g					
		1,1-dichloropropene		<	0.1	ug/g					
		t-amyl-methyl ether (TAME)		<	0.1	ug/g					
		carbon tetrachloride		<	0.1	ug/g					
		1,2-dichloroethane		<	0.1	ug/g					
		benzene		<	0.1	ug/g					
		trichloroethene		<	0.1	ug/g					
		1,2-dichloropropane		<	0.1	ug/g					
		bromodichloromethane		<	0.1	ug/g					
		1,4-dioxane		<	2.5	ug/g					
		dibromomethane		<	0.1	ug/g					
		4-methyl-2-pentanone (MIBK)		<	0.5	ug/g					
		cis-1,3-dichloropropene		<	0.1	ug/g					
		toluene		<	0.1	ug/g					
		trans-1,3-dichloropropene		<	0.1	ug/g					
		2-hexanone		<	0.5	ug/g					
		1,1,2-trichloroethane		<	0.1	ug/g					
		1,3-dichloropropane		<	0.1	ug/g					
		tetrachloroethene		<	0.1	ug/g					
		dibromochloromethane		<	0.1	ug/g					
		1,2-dibromoethane (EDB)		<	0.1	ug/g					
		chlorobenzene		<	0.1	ug/g					
		1,1,1,2-tetrachloroethane		<	0.1	ug/g					
		ethylbenzene		<	0.1	ug/g					
		m&p-xylenes		<	0.1	ug/g					
		o-xylene		<	0.1	ug/g					
		styrene		<	0.1	ug/g					

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW5035A8260B	MB4295	bromoform		<	0.1	ug/g						
		isopropylbenzene		<	0.1	ug/g						
		1,1,2,2-tetrachloroethane		<	0.1	ug/g						
		1,2,3-trichloropropane		<	0.1	ug/g						
		n-propylbenzene		<	0.1	ug/g						
		bromobenzene		<	0.1	ug/g						
		1,3,5-trimethylbenzene		<	0.1	ug/g						
		2-chlorotoluene		<	0.1	ug/g						
		4-chlorotoluene		<	0.1	ug/g						
		tert-butylbenzene		<	0.1	ug/g						
		1,2,4-trimethylbenzene		<	0.1	ug/g						
		sec-butylbenzene		<	0.1	ug/g						
		1,3-dichlorobenzene		<	0.1	ug/g						
		4-isopropyltoluene		<	0.1	ug/g						
		1,4-dichlorobenzene		<	0.1	ug/g						
		1,2-dichlorobenzene		<	0.1	ug/g						
		n-butylbenzene		<	0.1	ug/g						
		1,2-dibromo-3-chloropropane		<	0.1	ug/g						
		1,2,4-trichlorobenzene		<	0.1	ug/g						
		1,3,5-trichlorobenzene		<	0.1	ug/g						
		hexachlorobutadiene		<	0.1	ug/g						
		naphthalene		<	0.2	ug/g						
		1,2,3-trichlorobenzene		<	0.1	ug/g						
		dibromofluoromethane SUR			84	%			78	114		
		toluene-D8 SUR			93	%			88	110		
		4-bromofluorobenzene SUR			92	%			86	115		
		a,a,a-trifluorotoluene SUR			93	%			70	130		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW5035A8260B	MLCS4295	dichlorodifluoromethane			0.6	ug/g	1	59	*	70	130		
		chloromethane			2.2	ug/g	1	215	*	70	130		
		vinyl chloride			0.8	ug/g	1	83		70	130		
		bromomethane			0.7	ug/g	1	70		70	130		
		chloroethane			0.7	ug/g	1	70		70	130		
		trichlorofluoromethane			0.7	ug/g	1	73		70	130		
		diethyl ether			0.9	ug/g	1	94		70	130		
		acetone		<	2.5	ug/g	1	112					
		1,1-dichloroethene			0.8	ug/g	1	77		70	130		
		methylene chloride			0.9	ug/g	1	93		70	130		
		carbon disulfide			0.8	ug/g	1	78		70	130		
		methyl t-butyl ether (MTBE)			1.0	ug/g	1	103		70	130		
		trans-1,2-dichloroethene			0.9	ug/g	1	89		70	130		
		isopropyl ether (DIPE)			1.0	ug/g	1	95		70	130		
		ethyl t-butyl ether (ETBE)			1.0	ug/g	1	100		70	130		
		1,1-dichloroethane			1.0	ug/g	1	97		70	130		
		t-butanol (TBA)			5.3	ug/g	5	106		70	130		
		2-butanone (MEK)			1.0	ug/g	1	102		70	130		
		2,2-dichloropropane			1.1	ug/g	1	110		70	130		
		cis-1,2-dichloroethene			0.9	ug/g	1	94		70	130		
		chloroform			1.0	ug/g	1	98		70	130		
		bromochloromethane			1.0	ug/g	1	96		70	130		
		tetrahydrofuran (THF)			0.9	ug/g	1	91		70	130		
		1,1,1-trichloroethane			0.9	ug/g	1	92		70	130		
		1,1-dichloropropene			1.0	ug/g	1	99		70	130		
		t-amyl-methyl ether (TAME)			1.0	ug/g	1	105		70	130		
		carbon tetrachloride			1.0	ug/g	1	96		70	130		
		1,2-dichloroethane			1.1	ug/g	1	108		70	130		
		benzene			1.0	ug/g	1	98		70	130		
		trichloroethene			0.9	ug/g	1	92		70	130		
		1,2-dichloropropane			1.0	ug/g	1	104		70	130		
		bromodichloromethane			1.0	ug/g	1	103		70	130		
		1,4-dioxane		<	2.5	ug/g	2	103		70	130		
		dibromomethane			1.0	ug/g	1	102		70	130		
		4-methyl-2-pentanone (MIBK)			0.9	ug/g	1	87		70	130		
		cis-1,3-dichloropropene			1.0	ug/g	1	99		70	130		
		toluene			0.9	ug/g	1	93		70	130		
		trans-1,3-dichloropropene			1.0	ug/g	1	100		70	130		
		2-hexanone			0.8	ug/g	1	78		70	130		
		1,1,2-trichloroethane			1.0	ug/g	1	101		70	130		
		1,3-dichloropropane			1.2	ug/g	1	119		70	130		
		tetrachloroethene			1.0	ug/g	1	97		70	130		
		dibromochloromethane			1.1	ug/g	1	115		70	130		
		1,2-dibromoethane (EDB)			1.1	ug/g	1	112		70	130		
		chlorobenzene			1.1	ug/g	1	107		70	130		
		1,1,1,2-tetrachloroethane			1.1	ug/g	1	114		70	130		
		ethylbenzene			1.0	ug/g	1	99		70	130		
		m&p-xylenes			2.1	ug/g	2	107		70	130		
		o-xylene			1.1	ug/g	1	111		70	130		
		styrene			1.1	ug/g	1	113		70	130		
		bromoform			1.0	ug/g	1	98		70	130		

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW5035A8260B	MLCS4295	isopropylbenzene		0.9	ug/g	1	95	70	130		
		1,1,2,2-tetrachloroethane		1.1	ug/g	1	113	70	130		
		1,2,3-trichloropropane		1.1	ug/g	1	109	70	130		
		n-propylbenzene		1.0	ug/g	1	102	70	130		
		bromobenzene		1.1	ug/g	1	109	70	130		
		1,3,5-trimethylbenzene		1.0	ug/g	1	99	70	130		
		2-chlorotoluene		1.2	ug/g	1	121	70	130		
		4-chlorotoluene		1.0	ug/g	1	99	70	130		
		tert-butylbenzene		1.0	ug/g	1	96	70	130		
		1,2,4-trimethylbenzene		1.0	ug/g	1	102	70	130		
		sec-butylbenzene		0.9	ug/g	1	93	70	130		
		1,3-dichlorobenzene		1.0	ug/g	1	102	70	130		
		4-isopropyltoluene		0.9	ug/g	1	95	70	130		
		1,4-dichlorobenzene		1.0	ug/g	1	105	70	130		
		1,2-dichlorobenzene		1.1	ug/g	1	107	70	130		
		n-butylbenzene		0.9	ug/g	1	94	70	130		
		1,2-dibromo-3-chloropropane		1.2	ug/g	1	116	70	130		
		1,2,4-trichlorobenzene		0.9	ug/g	1	93	70	130		
		1,3,5-trichlorobenzene		0.9	ug/g	1	88	70	130		
		hexachlorobutadiene		0.9	ug/g	1	92	70	130		
		naphthalene		1.0	ug/g	1	100	70	130		
		1,2,3-trichlorobenzene		0.9	ug/g	1	92	70	130		
		dibromofluoromethane SUR		95	%			78	114		
		toluene-D8 SUR		94	%			88	110		
		4-bromofluorobenzene SUR		100	%			86	115		
		a,a,a-trifluorotoluene SUR		91	%			70	130		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD		RPD Limit
SW5035A8260B	MLCSD4295	dichlorodifluoromethane			0.6	ug/g	1	60	*	70	130	2		30
		chloromethane			1.6	ug/g	1	160	*	70	130	29		30
		vinyl chloride			0.9	ug/g	1	86		70	130	4		30
		bromomethane		<	0.2	ug/g	1	21	*	70	130	107	*	30
		chloroethane			0.7	ug/g	1	71		70	130	1		30
		trichlorofluoromethane			0.8	ug/g	1	76		70	130	4		30
		diethyl ether			0.9	ug/g	1	92		70	130	2		30
		acetone		<	2.5	ug/g	1	104				8		30
		1,1-dichloroethene			0.8	ug/g	1	77		70	130	0		30
		methylene chloride			0.9	ug/g	1	93		70	130	0		30
		carbon disulfide			0.8	ug/g	1	80		70	130	2		30
		methyl t-butyl ether (MTBE)			1.0	ug/g	1	100		70	130	3		30
		trans-1,2-dichloroethene			0.9	ug/g	1	89		70	130	0		30
		isopropyl ether (DIPE)			0.9	ug/g	1	94		70	130	1		30
		ethyl t-butyl ether (ETBE)			1.0	ug/g	1	100		70	130	0		30
		1,1-dichloroethane			1.0	ug/g	1	95		70	130	2		30
		t-butanol (TBA)			4.7	ug/g	5	95		70	130	11		30
		2-butanone (MEK)			0.9	ug/g	1	90		70	130	12		30
		2,2-dichloropropane			1.0	ug/g	1	102		70	130	8		30
		cis-1,2-dichloroethene			0.9	ug/g	1	94		70	130	0		30
		chloroform			1.0	ug/g	1	95		70	130	3		30
		bromochloromethane			1.0	ug/g	1	95		70	130	1		30
		tetrahydrofuran (THF)			0.8	ug/g	1	75		70	130	19		30
		1,1,1-trichloroethane			0.9	ug/g	1	91		70	130	1		30
		1,1-dichloropropene			1.0	ug/g	1	96		70	130	3		30
		t-amyl-methyl ether (TAME)			1.0	ug/g	1	103		70	130	2		30
		carbon tetrachloride			0.9	ug/g	1	93		70	130	3		30
		1,2-dichloroethane			1.0	ug/g	1	104		70	130	4		30
		benzene			1.0	ug/g	1	96		70	130	2		30
		trichloroethene			0.9	ug/g	1	90		70	130	2		30
		1,2-dichloropropane			1.0	ug/g	1	103		70	130	1		30
		bromodichloromethane			1.0	ug/g	1	100		70	130	4		30
		1,4-dioxane		<	2.5	ug/g	2	88		70	130	16		30
		dibromomethane			1.0	ug/g	1	101		70	130	1		30
		4-methyl-2-pentanone (MIBK)			0.8	ug/g	1	85		70	130	2		30
		cis-1,3-dichloropropene			1.0	ug/g	1	96		70	130	3		30
		toluene			1.0	ug/g	1	97		70	130	4		30
		trans-1,3-dichloropropene			0.9	ug/g	1	95		70	130	5		30
		2-hexanone			0.7	ug/g	1	74		70	130	6		30
		1,1,2-trichloroethane			1.0	ug/g	1	99		70	130	2		30
		1,3-dichloropropane			1.1	ug/g	1	108		70	130	9		30
		tetrachloroethene			0.9	ug/g	1	94		70	130	3		30
		dibromochloromethane			1.0	ug/g	1	103		70	130	10		30
		1,2-dibromoethane (EDB)			1.1	ug/g	1	107		70	130	5		30
		chlorobenzene			1.0	ug/g	1	105		70	130	2		30
		1,1,1,2-tetrachloroethane			1.1	ug/g	1	106		70	130	8		30
		ethylbenzene			0.9	ug/g	1	91		70	130	9		30
		m&p-xylenes			2.0	ug/g	2	101		70	130	5		30
		o-xylene			1.0	ug/g	1	104		70	130	7		30
		styrene			1.1	ug/g	1	106		70	130	7		30
		bromoform			0.8	ug/g	1	85		70	130	15		30

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW5035A8260B	MLCSD4295	isopropylbenzene		0.9	ug/g	1	88	70	130	7	30
		1,1,2,2-tetrachloroethane		1.1	ug/g	1	108	70	130	5	30
		1,2,3-trichloropropane		1.1	ug/g	1	105	70	130	3	30
		n-propylbenzene		1.0	ug/g	1	101	70	130	1	30
		bromobenzene		1.1	ug/g	1	111	70	130	2	30
		1,3,5-trimethylbenzene		1.0	ug/g	1	99	70	130	1	30
		2-chlorotoluene		1.1	ug/g	1	109	70	130	11	30
		4-chlorotoluene		1.1	ug/g	1	110	70	130	11	30
		tert-butylbenzene		1.0	ug/g	1	96	70	130	0	30
		1,2,4-trimethylbenzene		1.0	ug/g	1	103	70	130	0	30
		sec-butylbenzene		0.9	ug/g	1	92	70	130	1	30
		1,3-dichlorobenzene		1.0	ug/g	1	103	70	130	0	30
		4-isopropyltoluene		0.9	ug/g	1	94	70	130	1	30
		1,4-dichlorobenzene		1.0	ug/g	1	103	70	130	1	30
		1,2-dichlorobenzene		1.1	ug/g	1	105	70	130	1	30
		n-butylbenzene		0.9	ug/g	1	93	70	130	1	30
		1,2-dibromo-3-chloropropane		1.0	ug/g	1	104	70	130	11	30
		1,2,4-trichlorobenzene		0.9	ug/g	1	90	70	130	3	30
		1,3,5-trichlorobenzene		0.9	ug/g	1	87	70	130	0	30
		hexachlorobutadiene		0.9	ug/g	1	93	70	130	1	30
		naphthalene		1.0	ug/g	1	96	70	130	3	30
		1,2,3-trichlorobenzene		0.9	ug/g	1	90	70	130	2	30
		dibromofluoromethane SUR		97	%			78	114		
		toluene-D8 SUR		99	%			88	110		
		4-bromofluorobenzene SUR		95	%			86	115		
		a,a,a-trifluorotoluene SUR		96	%			70	130		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW3540C8082A	BLK4297	PCB-1016		<	0.0	ug/g							
		PCB-1221		<	0.0	ug/g							
		PCB-1232		<	0.0	ug/g							
		PCB-1242		<	0.0	ug/g							
		PCB-1248		<	0.0	ug/g							
		PCB-1254		<	0.0	ug/g							
		PCB-1260		<	0.0	ug/g							
		tetrachloro-m-xylene SUR			65	%				30	150		
		decachlorobiphenyl SUR			84	%				30	150		
SW3540C8082A	LCS4297	PCB-1016			0.2	ug/g	0.2	79		40	140		
		PCB-1221		<	0.0	ug/g							
		PCB-1232		<	0.0	ug/g							
		PCB-1242		<	0.0	ug/g							
		PCB-1248		<	0.0	ug/g							
		PCB-1254		<	0.0	ug/g							
		PCB-1260			0.2	ug/g	0.2	95		40	140		
		tetrachloro-m-xylene SUR			59	%				30	150		
		decachlorobiphenyl SUR			86	%				30	150		
SW3540C8082A	LCSD4297	PCB-1016			0.1	ug/g	0.2	72		40	140	10	30
		PCB-1221		<	0.0	ug/g							
		PCB-1232		<	0.0	ug/g							
		PCB-1242		<	0.0	ug/g							
		PCB-1248		<	0.0	ug/g							
		PCB-1254		<	0.0	ug/g							
		PCB-1260			0.2	ug/g	0.2	92		40	140	3	30
		tetrachloro-m-xylene SUR			54	%				30	150		
		decachlorobiphenyl SUR			80	%				30	150		
SW3550B8100m	BLK4299	TPH C10-C36		<	200	ug/g							
		2-fluorobiphenyl SUR			92	%				40	140		
		o-terphenyl SUR			98	%				40	140		
SW3550B8100m	DUP4299	TPH C10-C36	21855-002		11000	ug/g						200	20
		2-fluorobiphenyl SUR	21855-002		103	%				40	140		
		o-terphenyl SUR	21855-002		83	%				40	140		
SW3550B8100m	LCS4299	TPH C10-C36			2300	ug/g	2500	90		40	140		
		2-fluorobiphenyl SUR			105	%				40	140		
		o-terphenyl SUR			111	%				40	140		
SW3550B8100m	MS4299	TPH C10-C36	21855-002		12000	ug/g	3056.6	378	*	40	140		
		2-fluorobiphenyl SUR	21855-002		50	%				40	140		
		o-terphenyl SUR	21855-002		86	%				40	140		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3550B8270D	BLK4298	naphthalene		<	0.50	ug/g						
		2-methylnaphthalene		<	0.50	ug/g						
		acenaphthylene		<	0.50	ug/g						
		acenaphthene		<	0.50	ug/g						
		dibenzofuran		<	0.50	ug/g						
		fluorene		<	0.50	ug/g						
		phenanthrene		<	0.50	ug/g						
		anthracene		<	0.50	ug/g						
		fluoranthene		<	0.50	ug/g						
		pyrene		<	0.50	ug/g						
		benzo(a)anthracene		<	0.50	ug/g						
		chrysene		<	0.50	ug/g						
		benzo(b)fluoranthene		<	0.50	ug/g						
		benzo(k)fluoranthene		<	0.50	ug/g						
		benzo(a)pyrene		<	0.50	ug/g						
		indeno(1,2,3-cd)pyrene		<	0.50	ug/g						
		dibenzo(a,h)anthracene		<	0.50	ug/g						
		benzo(g,h,i)perylene		<	0.50	ug/g						
		2-fluorobiphenyl SUR			88	%			43	116		
		o-terphenyl SUR			86	%			33	141		
SW3550B8270D	DUP4298	naphthalene	21886-006	<	0.49	ug/g						30
		2-methylnaphthalene	21886-006	<	0.49	ug/g						30
		acenaphthylene	21886-006	<	0.49	ug/g						30
		acenaphthene	21886-006	<	0.49	ug/g						30
		dibenzofuran	21886-006	<	0.49	ug/g						30
		fluorene	21886-006	<	0.49	ug/g						30
		phenanthrene	21886-006	<	0.49	ug/g						30
		anthracene	21886-006	<	0.49	ug/g						30
		fluoranthene	21886-006	<	0.49	ug/g						30
		pyrene	21886-006	<	0.49	ug/g						30
		benzo(a)anthracene	21886-006	<	0.49	ug/g						30
		chrysene	21886-006	<	0.49	ug/g						30
		benzo(b)fluoranthene	21886-006	<	0.49	ug/g						30
		benzo(k)fluoranthene	21886-006	<	0.49	ug/g						30
		benzo(a)pyrene	21886-006	<	0.49	ug/g						30
		indeno(1,2,3-cd)pyrene	21886-006	<	0.49	ug/g						30
		dibenzo(a,h)anthracene	21886-006	<	0.49	ug/g						30
		benzo(g,h,i)perylene	21886-006	<	0.49	ug/g						30
		2-fluorobiphenyl SUR	21886-006		86	%			43	116		
		o-terphenyl SUR	21886-006		86	%			33	141		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3550B8270D	LCS4298	naphthalene			3.4	ug/g	4	84	40	140		
		2-methylnaphthalene			3.6	ug/g	4	91	40	140		
		acenaphthylene			3.6	ug/g	4	91	40	140		
		acenaphthene			3.4	ug/g	4	85	40	140		
		dibenzofuran		<	0.50	ug/g						
		fluorene			3.5	ug/g	4	86	40	140		
		phenanthrene			3.2	ug/g	4	81	40	140		
		anthracene			3.6	ug/g	4	90	40	140		
		fluoranthene			3.5	ug/g	4	88	40	140		
		pyrene			4.3	ug/g	4	108	40	140		
		benzo(a)anthracene			3.9	ug/g	4	96	40	140		
		chrysene			3.8	ug/g	4	95	40	140		
		benzo(b)fluoranthene			4.4	ug/g	4	111	40	140		
		benzo(k)fluoranthene			3.3	ug/g	4	82	40	140		
		benzo(a)pyrene			3.5	ug/g	4	87	40	140		
		indeno(1,2,3-cd)pyrene			3.3	ug/g	4	83	40	140		
		dibenzo(a,h)anthracene			3.2	ug/g	4	79	40	140		
		benzo(g,h,i)perylene			3.3	ug/g	4	83	40	140		
		2-fluorobiphenyl SUR			87	%			43	116		
		o-terphenyl SUR			88	%			33	141		
SW3550B8270D	MS4298	naphthalene	21886-006		3.5	ug/g	4.08	84	40	140		
		2-methylnaphthalene	21886-006		3.5	ug/g	4.08	86	40	140		
		acenaphthylene	21886-006		3.9	ug/g	4.08	96	40	140		
		acenaphthene	21886-006		3.7	ug/g	4.08	91	40	140		
		dibenzofuran	21886-006	<	0.51	ug/g						
		fluorene	21886-006		3.6	ug/g	4.08	88	40	140		
		phenanthrene	21886-006		3.5	ug/g	4.08	86	40	140		
		anthracene	21886-006		3.5	ug/g	4.08	85	40	140		
		fluoranthene	21886-006		3.4	ug/g	4.08	85	40	140		
		pyrene	21886-006		4.3	ug/g	4.08	104	40	140		
		benzo(a)anthracene	21886-006		3.8	ug/g	4.08	93	40	140		
		chrysene	21886-006		3.9	ug/g	4.08	95	40	140		
		benzo(b)fluoranthene	21886-006		4.0	ug/g	4.08	97	40	140		
		benzo(k)fluoranthene	21886-006		3.5	ug/g	4.08	87	40	140		
		benzo(a)pyrene	21886-006		3.6	ug/g	4.08	87	40	140		
		indeno(1,2,3-cd)pyrene	21886-006		2.8	ug/g	4.08	68	40	140		
		dibenzo(a,h)anthracene	21886-006		2.6	ug/g	4.08	64	40	140		
		benzo(g,h,i)perylene	21886-006		2.7	ug/g	4.08	65	40	140		
		2-fluorobiphenyl SUR	21886-006		89	%			43	116		
		o-terphenyl SUR	21886-006		81	%			33	141		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3051A6010C	BLK4310	Silver		<	0.25	ug/g						
		Arsenic		<	0.50	ug/g						
		Barium		<	2.5	ug/g						
		Cadmium		<	0.20	ug/g						
		Chromium		<	2.5	ug/g						
		Copper		<	2.5	ug/g						
		Nickel		<	2.5	ug/g						
		Lead		<	0.50	ug/g						
		Selenium		<	2.5	ug/g						
		Zinc		<	2.5	ug/g						
SW3051A6010C	DUP4310	Lead	21906-011		4.9	ug/g					9	35
SW7471B	BLK4308	Mercury		<	0.02	ug/g						
SW7471B	CRM4308	Mercury			1.6	ug/g	1.1		0.49	1.76		
SW7471B	CRMD4308	Mercury			1.3	ug/g	1.1		0.49	1.76	20	20
SW7471B	MS4308	Mercury	21879-002		0.61	ug/g	0.406	110	75	125		
SW7471B	MSD4308	Mercury	21879-002		0.66	ug/g	0.406	121	75	125	7	35
SW7471B	REP4308	Mercury	21879-002									

PAGE 1 OF 2

Absolute Resource associates

124 Heritage Avenue #10
Portsmouth, NH 03801
603-436-2001
absoluteresourceassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

21886

Company Name: CREDERE ASSOCIATES
Company Address: 776 Main St. West
Report To: J. O'Donnell
Phone #: 207-272-2225
Invoice To: T. Patten

Project Name: POLYCLAD
Project #: 10001086
Project Location: (NH) MA ME VT Other
Protocol: RCRA SDWA NPDES MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote # ☐ NH GREE/ODD Fund Pricing
PO #

ANALYSIS REQUEST

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

Lab Sample ID (Lab Use Only)	Field ID	# Containers	Matrix: Water	Matrix: Solid	Matrix: Other	Pres.: HCl	Pres.: HNO_3	Pres.: H_2SO_4	Pres.: NaOH	Pres.: MeOH	Pres.: Other (Specify)	Date	Time	Sampler	VOC 8260 NHDES	TPH	8270PAH	8082 PCB	RCRA Metals	Total Metals Pb	Total Metals Zn, Cu, Ni	Grab (G) or Composite (C)
21886-01	CA-SS-1	1		X								6/28/11	1512	JPO			X					X
02	CA-SS-2	1		↓								↓	1628	↓			X					↓
03	CA-TP-8	2		↓						X		↓	1048	↓	X	X	X					↓
04	CA-TP-10	2		↓						↓		↓	1158	↓	X					X		↓
05	CA-TP-11	2		↓						↓		↓	1231	↓	X					X		↓
06	CA-TP-13	2		↓						↓		↓	1500	↓	X		X	X	X		X	↓
07	CA-TP-14	2		↓						↓		↓	1550	↓	X		X		X		X	↓
08	CA-TP-15	2		↓						↓		↓	1625	↓	X		X		X		X	↓
09	CA-TP-16	2		↓						↓		↓	1700	↓	X		X		X		X	↓
10	CA-TP-17	2		↓						↓		↓	1440	↓	X		X		X		X	↓
11	CA-TP-18	2		↓						↓		↓	1448	↓	X		X		X		X	↓

TAT REQUESTED
Priority (24 hr)* ☐
Expedited (48 hr)* ☒
Standard (10 Business Days) ☐
*Date Needed ______

See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS
BROWNFIELDS.

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) jodonnell@crederellc.com
☐ HARD COPY REQUIRED ☐ FAX (FAX#) ☐ OTHER (specify)

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 5 °C

CUSTODY RECORD

	Date	Time		Date	Time
Relinquished by Sampler: [signature]	6/29/11	1101	Received by: [signature]	6/29/11	1101
Relinquished by:			Received by:		
Relinquished by:			Received by Laboratory:		
			Way Bill#:		

QSD-01 Revision 12/23/10

Absolute Resource associates
124 Heritage Avenue #10
Portsmouth, NH 03801
603-436-2001
absoluteresourceassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

21886

Company Name: CREDERE ASSOCIATES
Company Address: 776 Main St, Westbrook, ME
Report To: J. O'Donnell
Phone #: 207-272-2225
Invoice To: T. Patten

Project Name: POLYCLAD
Project #: 10001086
Project Location: (NH) MA ME VT ___ Other

Protocol: RCRA SDWA NPDES / MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 / EPA DW Other ___

Quote # ___ ☐ NH GREE/ODD Fund Pricing
PO # ___

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
21886-12	CA-TP-DUP-1	2		X						X		6/28/11	—	SBO
13	D-Floor Covering	1		X								↓	1535	↓
14	TRANSFORMER PIT	1		X								↓	1255	↓
15	CA-3	1		X						X		6/29/11	1047	SBO
16	Trip Blank (JK)													

ANALYSIS REQUEST

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

TAT REQUESTED
Priority (24 hr)* ☐
Expedited (48 hr)* ☒
Standard (10 Business Days) ☐
*Date Needed ___

See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS
BROWNFIELDS

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) jodonnell@credere llc.com
☐ HARD COPY REQUIRED ☐ FAX (FAX#) ___ ☐ OTHER (specify) ___

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 15 °C

CUSTODY RECORD
QSD-01 Revision 12/23/10

Relinquished by Sampler:	Date	Time	Received by:	Date	Time
	6/29/11	1101		6/29/11	11:01
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory: Way Bill#:	Date	Time

ANALYTICAL REPORT

Lab Number:	L1110998
Client:	Absolute Resource Associates 124 Heritage Avenue Portsmouth, NH 03801
ATTN:	Jane Borkland
Phone:	(603) 436-2001
Project Name:	Not Specified
Project Number:	21886
Report Date:	07/28/11

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: Not Specified
Project Number: 21886

Lab Number: L1110998
Report Date: 07/28/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1110998-01	21886-07 (CA-TP-14)	NH	06/28/11 15:50

Project Name: Not Specified
Project Number: 21886

Lab Number: L1110998
Report Date: 07/28/11

Case Narrative

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

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

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

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

Sample Receipt

The samples were received at the laboratory above the required temperature range. The samples were transported to the laboratory in a cooler with ice and delivered directly from the sampling site.

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

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative

Date: 07/28/11

INORGANICS
&
MISCELLANEOUS

Project Name: Not Specified
Project Number: 21886

Lab Number: L1110998
Report Date: 07/28/11

SAMPLE RESULTS

Lab ID: L1110998-01
Client ID: 21886-07 (CA-TP-14)
Sample Location: NH
Matrix: Soil

Date Collected: 06/28/11 15:50
Date Received: 07/21/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	07/22/11 10:50	30,2540G	JC
Chromium, Hexavalent	4.5		mg/kg	0.87	--	1	07/24/11 14:00	07/24/11 18:00	1,7196A	JT

Project Name:

Project Number: 21886

Lab Number: L1110998

Report Date: 07/28/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG480802-1										
Chromium, Hexavalent	ND		mg/kg	0.80	--	1	07/24/11 14:00	07/24/11 18:00	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 21886

Lab Number: L1110998

Report Date: 07/28/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG480802-2								
Chromium, Hexavalent	100		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 21886

Lab Number: L1110998
Report Date: 07/28/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG480802-4 QC Sample: L1110998-01 Client ID: 21886-07 (CA-TP-14)												
Chromium, Hexavalent	4.5	1150	1100	96		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 21886

Lab Number: L1110998
Report Date: 07/28/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG480548-1 QC Sample: L1110980-01 Client ID: DUP Sample						
Solids, Total	39	40	%	3		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG480802-3 QC Sample: L1110998-01 Client ID: 21886-07 (CA-TP-14)						
Chromium, Hexavalent	4.5	4.3	mg/kg	5		20

Project Name: Not Specified
Project Number: 21886

Lab Number: L1110998
Report Date: 07/28/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1110998-01A	Amber 120ml unpreserved	A	N/A	8	Y	Absent	TS(7),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name:	Not Specified	**Lab Number:**	L1110998
Project Number:	21886	**Report Date:**	07/28/11

GLOSSARY

Acronyms

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

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

Report Format: Data Usability Report

Project Name: Not Specified
Project Number: 21886
Lab Number: L1110998
Report Date: 07/28/11

Data Qualifiers

than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: Not Specified
Project Number: 21886
Lab Number: L1110998
Report Date: 07/28/11

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

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

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,**

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

Alpha ALPHA Job # L1110998 PAGE 1 OF 1

Absolute Resource associates

124 Heritage Avenue #10
Portsmouth, NH 03801
603-436-2001
absoluteresourceassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: See Above
Company Address: (formerly Resource Labs)
Report To: Jane Borkland
Phone #:
Invoice To: Sue Sylvester

Project Name:
Project #: 21886
Project Location: (NH) MA ME VT ____ Other
Protocol: RCRA SDWA NPDES / MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 / EPA DW Other____
Quote #____ ☐ NH GREE/ODD Fund Pricing
PO # 21886

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	Matrix: SOLID	Matrix: OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
10998-1	21886-07 (CA-TP-14)	1		X								6/28/11	1550	

ANALYSIS REQUEST

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

TAT REQUESTED
Priority (24 hr)* ☐
Expedited (48 hr)* ☐
Standard (10 Business Days) ☑
*Date Needed ____

See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS
Please note holding time.

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) jennifer@absoluteresourceassociates.com janeb@ " " "
☐ HARD COPY REQUIRED ☐ FAX (FAX#)____ ☐ OTHER (specify)____

RECEIVED ON ICE ☑ YES ☐ NO
TEMPERATURE ____ °C

CUSTODY RECORD
QSD-01 Revision 12/23/10

	Date	Time		Date	Time
Relinquished by Sampler:			Received by:		
Relinquished by:	7/21/11	13C	Received by:	7/21/11	13:40
Relinquished by:			Received by Laboratory:		
			Way Bill#:		

Absolute Resource associates
124 Heritage Avenue #10 Portsmouth, NH 03801

Rick Vandenberg
CREDERE Associates
776 Main Street
Westbrook, ME 04092

PO Number: 10001086
Job ID: 21906
Date Received: 7/1/11

Project: POLYCLAD 10001086

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 Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures 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.

Absolute Resource Associates 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,
Absolute Resource Associates

Sue Sylvester
Principal, General Manager

Date of Approval: 7/14/2011
Total number of pages: 50

Absolute Resource Associates Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: POLYCLAD 10001086
Lab ID: 21906

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
CA-3 2-4	Solid	6/29/2011 12:59	21906-001	
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Copper in solids by 6010
				Mercury in solids by 7471
				Nickel in solids by 6010
				Lead in solids by 6010
				Selenium in solids by 6010
				Zinc in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
CA-2 6-8	Solid	6/29/2011 12:55	21906-002	
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Copper in solids by 6010
				Mercury in solids by 7471
				Nickel in solids by 6010
				Lead in solids by 6010
				Selenium in solids by 6010
				Zinc in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-5 12-14	Solid	6/29/2011 17:10	21906-006	
				PCBs in soil by 8082
				TPH in solids by 8100
				Acid & Base/Neutral Extractables in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Copper in solids by 6010
				Mercury in solids by 7471
				Nickel in solids by 6010
				Lead in solids by 6010
				Selenium in solids by 6010
				Zinc in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-1 26-28	Solid	6/29/2011 15:56	21906-007	
				TPH in solids by 8100
				PAHs in solid by 8270
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste

Project ID: POLYCLAD 10001086
Lab ID: 21906

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
CA-4 10-12	Solid	6/29/2011 17:40	21906-008	
				PCBs in soil by 8082
				TPH in solids by 8100
				Acid & Base/Neutral Extractables in solid by 8270
				Soil Digestion for ICP Analysis
				Silver in solids by 6010
				Arsenic in solids by 6010
				Barium in solids by 6010
				Cadmium in solids by 6010
				Chromium in solids by 6010
				Copper in solids by 6010
				Mercury in solids by 7471
				Nickel in solids by 6010
				Lead in solids by 6010
				Selenium in solids by 6010
				Zinc in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-TP-9 6'	Solid	6/30/2011 15:45	21906-009	
				TPH in solids by 8100
				PAHs in solid by 8270
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-TP-7A 10-12'	Solid	6/30/2011 17:30	21906-010	
				TPH in solids by 8100
				PAHs in solid by 8270
				Solid Digestion for ICP Analysis
				Lead in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-TP-12 1'	Solid	6/30/2011 13:15	21906-011	
				Solid Digestion for ICP Analysis
				Lead in solids by 6010
				Percent Dry Matter for Sample Calc by SM2540B,G
				VOCs in solid by 8260 Petro & Haz Waste
CA-TP-DUP-2	Solid	6/30/2011 0:00	21906-012	
				TPH in solids by 8100
				Percent Dry Matter for Sample Calc by SM2540B,G

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-002
Sample ID: CA-2 6-8
Matrix: Solid Percent Dry: 77.6% Results expressed on a dry weight basis.
Sampled: 6/29/11 12:55

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
acetone	< 3	3	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
t-butanol (TBA)	< 3	3	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
2-butanone (MEK)	< 0.4	0.4	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
tetrahydrofuran (THF)	< 0.6	0.6	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,4-dioxane	< 3	3	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.5	0.5	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
2-hexanone	< 0.6	0.6	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-002
Sample ID: CA-2 6-8
Matrix: Solid Percent Dry: 77.6% Results expressed on a dry weight basis.
Sampled: 6/29/11 12:55

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**79**	78-114	%	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
toluene-D8 SUR	**91**	88-110	%	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
4-bromofluorobenzene SUR	**95**	86-115	%	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B
a,a,a-trifluorotoluene SUR	**115**	70-130	%	1	LMM	7/6/11	4307	7/8/11	15:29	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-006
Sample ID: CA-5 12-14
Matrix: Solid Percent Dry: 77.6% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:10

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
acetone	< 4	4	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
t-butanol (TBA)	< 4	4	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
2-butanone (MEK)	< 0.4	0.4	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
tetrahydrofuran (THF)	< 0.7	0.7	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,4-dioxane	< 4	4	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.6	0.6	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
2-hexanone	< 0.7	0.7	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-006
Sample ID: CA-5 12-14
Matrix: Solid Percent Dry: 77.6% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:10

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**82**	78-114	%	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
toluene-D8 SUR	**92**	88-110	%	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
4-bromofluorobenzene SUR	**95**	86-115	%	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B
a,a,a-trifluorotoluene SUR	**108**	70-130	%	1	LMM	7/6/11	4307	7/8/11	16:00	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-007
Sample ID: CA-1 26-28
Matrix: Solid Percent Dry: 87.3% Results expressed on a dry weight basis.
Sampled: 6/29/11 15:56

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
acetone	< 4	4	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
t-butanol (TBA)	< 4	4	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
2-butanone (MEK)	< 0.4	0.4	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
tetrahydrofuran (THF)	< 0.7	0.7	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,4-dioxane	< 4	4	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.6	0.6	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
2-hexanone	< 0.7	0.7	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-007
Sample ID: CA-1 26-28
Matrix: Solid Percent Dry: 87.3% Results expressed on a dry weight basis.
Sampled: 6/29/11 15:56

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**80**	78-114	%	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
toluene-D8 SUR	**90**	88-110	%	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
4-bromofluorobenzene SUR	**100**	86-115	%	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B
a,a,a-trifluorotoluene SUR	**95**	70-130	%	1	LMM	7/6/11	4307	7/8/11	18:06	SW5035A8260B

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-008
Sample ID: CA-4 10-12
Matrix: Solid Percent Dry: 81.4% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
chloromethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
vinyl chloride	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
bromomethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
chloroethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
trichlorofluoromethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
diethyl ether	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
acetone	< 4	4	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,1-dichloroethene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
methylene chloride	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
carbon disulfide	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
trans-1,2-dichloroethene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
isopropyl ether (DIPE)	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,1-dichloroethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
t-butanol (TBA)	< 4	4	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
2-butanone (MEK)	< 0.5	0.5	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
2,2-dichloropropane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
cis-1,2-dichloroethene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
chloroform	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
bromochloromethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
tetrahydrofuran (THF)	< 0.9	0.9	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,1,1-trichloroethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,1-dichloropropene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
carbon tetrachloride	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,2-dichloroethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
benzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
trichloroethene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,2-dichloropropane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
bromodichloromethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,4-dioxane	< 4	4	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
dibromomethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.8	0.8	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
cis-1,3-dichloropropene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
toluene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
trans-1,3-dichloropropene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
2-hexanone	< 0.9	0.9	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,1,2-trichloroethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,3-dichloropropane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
tetrachloroethene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
dibromochloromethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-008
Sample ID: CA-4 10-12
Matrix: Solid Percent Dry: 81.4% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
chlorobenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
ethylbenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
m&p-xylenes	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
o-xylene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
styrene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
bromoform	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
isopropylbenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,2,3-trichloropropane	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
n-propylbenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
bromobenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,3,5-trimethylbenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
2-chlorotoluene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
4-chlorotoluene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
tert-butylbenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,2,4-trimethylbenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
sec-butylbenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,3-dichlorobenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
4-isopropyltoluene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,4-dichlorobenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,2-dichlorobenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
n-butylbenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,2,4-trichlorobenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,3,5-trichlorobenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
hexachlorobutadiene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
naphthalene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
1,2,3-trichlorobenzene	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**80**	78-114	%	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
toluene-D8 SUR	**93**	88-110	%	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
4-bromofluorobenzene SUR	**98**	86-115	%	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B
a,a,a-trifluorotoluene SUR	**108**	70-130	%	1	LMM	7/6/11	4307	7/8/11	18:35	SW5035A8260B

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-009
Sample ID: CA-TP-9 6'
Matrix: Solid Percent Dry: 95.7% Results expressed on a dry weight basis.
Sampled: 6/30/11 15:45

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
2-butanone (MEK)	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.3	0.3	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-009
Sample ID: CA-TP-9 6'
Matrix: Solid Percent Dry: 95.7% Results expressed on a dry weight basis.
Sampled: 6/30/11 15:45

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**78**	78-114	%	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
toluene-D8 SUR	**93**	88-110	%	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
4-bromofluorobenzene SUR	**89**	86-115	%	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B
a,a,a-trifluorotoluene SUR	**98**	70-130	%	1	LMM	7/6/11	4307	7/8/11	19:04	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-010
Sample ID: CA-TP-7A 10-12'
Matrix: Solid Percent Dry: 97.3% Results expressed on a dry weight basis.
Sampled: 6/30/11 17:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
2-butanone (MEK)	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.3	0.3	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-010
Sample ID: CA-TP-7A 10-12'
Matrix: Solid Percent Dry: 97.3% Results expressed on a dry weight basis.
Sampled: 6/30/11 17:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**85**	78-114	%	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
toluene-D8 SUR	**91**	88-110	%	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
4-bromofluorobenzene SUR	**94**	86-115	%	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B
a,a,a-trifluorotoluene SUR	**98**	70-130	%	1	LMM	7/6/11	4307	7/11/11	13:44	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-011
Sample ID: CA-TP-12 1'
Matrix: Solid Percent Dry: 91% Results expressed on a dry weight basis.
Sampled: 6/30/11 13:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
chloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
bromomethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
chloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
diethyl ether	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
acetone	< 2	2	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
methylene chloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
t-butanol (TBA)	< 2	2	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
2-butanone (MEK)	< 0.2	0.2	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
chloroform	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
tetrahydrofuran (THF)	< 0.4	0.4	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
benzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
trichloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,4-dioxane	< 2	2	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
dibromomethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
4-methyl-2-pentanone (MIBK)	< 0.3	0.3	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
toluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
2-hexanone	< 0.4	0.4	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-011
Sample ID: CA-TP-12 1'
Matrix: Solid Percent Dry: 91% Results expressed on a dry weight basis.
Sampled: 6/30/11 13:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
o-xylene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
styrene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
bromoform	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
bromobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
naphthalene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**84**	78-114	%	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
toluene-D8 SUR	**90**	88-110	%	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
4-bromofluorobenzene SUR	**96**	86-115	%	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B
a,a,a-trifluorotoluene SUR	**91**	70-130	%	1	LMM	7/6/11	4307	7/11/11	14:16	SW5035A8260B

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-006
Sample ID: CA-5 12-14
Matrix: Solid Percent Dry: 77.6% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:10

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
N-nitrosodimethylamine	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
aniline	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
phenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2-chlorophenol	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
bis(2-chloroethyl)ether	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
1,3-dichlorobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
1,4-dichlorobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
1,2-dichlorobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
benzyl alcohol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2-methylphenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
bis(2-chloroisopropyl) ether	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
hexachloroethane	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
N-nitroso-di-N-propylamine	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
4-methylphenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
nitrobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
isophorone	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2-nitrophenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2,4-dimethylphenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
bis(2-chloroethoxy)methane	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2,4-dichlorophenol	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
1,2,4-trichlorobenzene	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
naphthalene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
benzoic acid	< 6	6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
4-chloroaniline	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
hexachlorobutadiene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
4-chloro-3-methylphenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2-methylnaphthalene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
hexachlorocyclopentadiene	< 1	1	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2,4,6-trichlorophenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2,4,5-trichlorophenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2-chloronaphthalene	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2-nitroaniline	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
acenaphthylene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
dimethylphthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2,6-dinitrotoluene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2,4-dinitrotoluene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
acenaphthene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
3-nitroaniline	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2,4-dinitrophenol	< 6	6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
dibenzofuran	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
4-nitrophenol	< 2	2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
fluorene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
diethyl phthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-006
Sample ID: CA-5 12-14
Matrix: Solid Percent Dry: 77.6% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:10

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
4-chlorophenyl phenyl ether	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
4-nitroaniline	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
4,6-dinitro-2-methylphenol	< 2	2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
azobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
N-nitrosodiphenylamine	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
4-bromophenyl phenyl ether	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
hexachlorobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
pentachlorophenol	< 1	1	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
phenanthrene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
anthracene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
carbazole	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
di-n-butylphthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
fluoranthene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
benzidine	< 4	4	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
pyrene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
butyl benzyl phthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
benzo(a)anthracene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
chrysene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
3,3'-dichlorobenzidine	< 4	4	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
bis(2-ethylhexyl)phthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
di-n-octyl phthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
benzo(b)fluoranthene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
benzo(k)fluoranthene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
benzo(a)pyrene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
indeno(1,2,3-cd)pyrene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
dibenzo(a,h)anthracene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
benzo(g,h,i)perylene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
Surrogate Recovery		**Limits**								
2-fluorophenol SUR	**53**	21-100	%	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
phenol-D5 SUR	**60**	10-102	%	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2,4,6-tribromophenol SUR	**27**	10-123	%	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
nitrobenzene-D5 SUR	**47**	35-114	%	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
2-fluorobiphenyl SUR	**61**	43-116	%	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D
p-terphenyl-D14 SUR	**67**	33-141	%	1	AJD	7/6/11	4314	7/9/11	16:04	SW3546/8270D

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-007
Sample ID: CA-1 26-28
Matrix: Solid Percent Dry: 87.3% Results expressed on a dry weight basis.
Sampled: 6/29/11 15:56

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
naphthalene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
2-methylnaphthalene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
acenaphthylene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
acenaphthene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
dibenzofuran	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
fluorene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
phenanthrene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
anthracene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
pyrene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
benzo(a)anthracene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
chrysene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
benzo(b)fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
benzo(k)fluoranthene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
benzo(a)pyrene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
dibenzo(a,h)anthracene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
benzo(g,h,i)perylene	< 0.6	0.6	ug/g	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**78**	43-116	%	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D
o-terphenyl SUR	**82**	33-141	%	1	AJD	7/7/11	4315	7/8/11	16:25	SW3550B8270D

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-008
Sample ID: CA-4 10-12
Matrix: Solid Percent Dry: 81.4% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
N-nitrosodimethylamine	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
aniline	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
phenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2-chlorophenol	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
bis(2-chloroethyl)ether	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
1,3-dichlorobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
1,4-dichlorobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
1,2-dichlorobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
benzyl alcohol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2-methylphenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
bis(2-chloroisopropyl) ether	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
hexachloroethane	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
N-nitroso-di-N-propylamine	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
4-methylphenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
nitrobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
isophorone	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2-nitrophenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2,4-dimethylphenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
bis(2-chloroethoxy)methane	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2,4-dichlorophenol	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
1,2,4-trichlorobenzene	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
naphthalene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
benzoic acid	< 6	6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
4-chloroaniline	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
hexachlorobutadiene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
4-chloro-3-methylphenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2-methylnaphthalene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
hexachlorocyclopentadiene	< 1	1	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2,4,6-trichlorophenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2,4,5-trichlorophenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2-chloronaphthalene	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2-nitroaniline	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
acenaphthylene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
dimethylphthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2,6-dinitrotoluene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2,4-dinitrotoluene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
acenaphthene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
3-nitroaniline	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2,4-dinitrophenol	< 6	6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
dibenzofuran	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
4-nitrophenol	< 2	2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
fluorene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
diethyl phthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-008
Sample ID: CA-4 10-12
Matrix: Solid Percent Dry: 81.4% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
4-chlorophenyl phenyl ether	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
4-nitroaniline	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
4,6-dinitro-2-methylphenol	< 2	2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
azobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
N-nitrosodiphenylamine	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
4-bromophenyl phenyl ether	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
hexachlorobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
pentachlorophenol	< 1	1	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
phenanthrene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
anthracene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
carbazole	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
di-n-butylphthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
fluoranthene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
benzidine	< 4	4	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
pyrene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
butyl benzyl phthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
benzo(a)anthracene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
chrysene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
3,3'-dichlorobenzidine	< 4	4	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
bis(2-ethylhexyl)phthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
di-n-octyl phthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
benzo(b)fluoranthene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
benzo(k)fluoranthene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
benzo(a)pyrene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
indeno(1,2,3-cd)pyrene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
dibenzo(a,h)anthracene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
benzo(g,h,i)perylene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
Surrogate Recovery		**Limits**								
2-fluorophenol SUR	**48**	21-100	%	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
phenol-D5 SUR	**58**	10-102	%	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2,4,6-tribromophenol SUR	**29**	10-123	%	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
nitrobenzene-D5 SUR	**48**	35-114	%	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
2-fluorobiphenyl SUR	**64**	43-116	%	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D
p-terphenyl-D14 SUR	**71**	33-141	%	1	AJD	7/6/11	4314	7/9/11	16:42	SW3546/8270D

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-009
Sample ID: CA-TP-9 6'
Matrix: Solid Percent Dry: 95.7% Results expressed on a dry weight basis.
Sampled: 6/30/11 15:45

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
naphthalene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
2-methylnaphthalene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
acenaphthylene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
acenaphthene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
dibenzofuran	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
fluorene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
phenanthrene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
anthracene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
pyrene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
benzo(a)anthracene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
chrysene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
benzo(a)pyrene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**81**	43-116	%	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D
o-terphenyl SUR	**86**	33-141	%	1	AJD	7/7/11	4315	7/8/11	19:34	SW3550B8270D

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-010
Sample ID: CA-TP-7A 10-12'
Matrix: Solid Percent Dry: 97.3% Results expressed on a dry weight basis.
Sampled: 6/30/11 17:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
naphthalene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
2-methylnaphthalene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
acenaphthylene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
acenaphthene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
dibenzofuran	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
fluorene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
phenanthrene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
anthracene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
pyrene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
benzo(a)anthracene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
chrysene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
benzo(b)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
benzo(k)fluoranthene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
benzo(a)pyrene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
dibenzo(a,h)anthracene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
benzo(g,h,i)perylene	< 0.5	0.5	ug/g	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**77**	43-116	%	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D
o-terphenyl SUR	**77**	33-141	%	1	AJD	7/7/11	4315	7/8/11	15:43	SW3550B8270D

Project ID: POLYCLAD 10001086
Job ID: 21906

Sample#: 21906-003
Sample ID: CA-CC-1
Matrix: Solid Percent Dry: 98% Results expressed on a dry weight basis.
Sampled: 6/30/11 12:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	12:47	SW3540C8082A
PCB-1221	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	12:47	SW3540C8082A
PCB-1232	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	12:47	SW3540C8082A
PCB-1242	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	12:47	SW3540C8082A
PCB-1248	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	12:47	SW3540C8082A
PCB-1254	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	12:47	SW3540C8082A
PCB-1260	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	12:47	SW3540C8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**DOR**	30-150	%	20	JLZ	7/6/11	4305	7/11/11	12:47	SW3540C8082A
decachlorobiphenyl SUR	**DOR**	30-150	%	20	JLZ	7/6/11	4305	7/11/11	12:47	SW3540C8082A

DOR = Diluted out of range.
Note: Dilution due to matrix interference.

Sample#: 21906-004
Sample ID: CA-CC-DUP
Matrix: Solid Percent Dry: 78.9% Results expressed on a dry weight basis.
Sampled: 6/30/11 12:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.8	0.8	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:50	SW3540C8082A
PCB-1221	< 0.8	0.8	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:50	SW3540C8082A
PCB-1232	< 0.8	0.8	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:50	SW3540C8082A
PCB-1242	< 0.8	0.8	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:50	SW3540C8082A
PCB-1248	< 0.8	0.8	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:50	SW3540C8082A
PCB-1254	< 0.8	0.8	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:50	SW3540C8082A
PCB-1260	< 0.8	0.8	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:50	SW3540C8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**DOR**	30-150	%	20	JLZ	7/6/11	4305	7/11/11	14:50	SW3540C8082A
decachlorobiphenyl SUR	**DOR**	30-150	%	20	JLZ	7/6/11	4305	7/11/11	14:50	SW3540C8082A

DOR = Diluted out of range.
Note: Dilution due to matrix interference.

Project ID: POLYCLAD 10001086
Job ID: 21906

Sample#: 21906-005
Sample ID: CA-CC-2
Matrix: Solid Percent Dry: 97.8% Results expressed on a dry weight basis.
Sampled: 6/30/11 12:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:18	SW3540C8082A
PCB-1221	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:18	SW3540C8082A
PCB-1232	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:18	SW3540C8082A
PCB-1242	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:18	SW3540C8082A
PCB-1248	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:18	SW3540C8082A
PCB-1254	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:18	SW3540C8082A
PCB-1260	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:18	SW3540C8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**DOR**	30-150	%	20	JLZ	7/6/11	4305	7/11/11	13:18	SW3540C8082A
decachlorobiphenyl SUR	**DOR**	30-150	%	20	JLZ	7/6/11	4305	7/11/11	13:18	SW3540C8082A

DOR = Diluted out of range.
Note: Dilution due to matrix interference.

Sample#: 21906-006
Sample ID: CA-5 12-14
Matrix: Solid Percent Dry: 77.6% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:10

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.7	0.7	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:19	SW3540C8082A
PCB-1221	< 0.7	0.7	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:19	SW3540C8082A
PCB-1232	< 0.7	0.7	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:19	SW3540C8082A
PCB-1242	< 0.7	0.7	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:19	SW3540C8082A
PCB-1248	< 0.7	0.7	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:19	SW3540C8082A
PCB-1254	< 0.7	0.7	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:19	SW3540C8082A
PCB-1260	< 0.7	0.7	ug/g	20	JLZ	7/6/11	4305	7/11/11	14:19	SW3540C8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**DOR**	30-150	%	20	JLZ	7/6/11	4305	7/11/11	14:19	SW3540C8082A
decachlorobiphenyl SUR	**DOR**	30-150	%	20	JLZ	7/6/11	4305	7/11/11	14:19	SW3540C8082A

DOR = Diluted out of range.
Note: Dilution due to matrix interference.

Project ID: POLYCLAD 10001086
Job ID: 21906
Sample#: 21906-008
Sample ID: CA-4 10-12
Matrix: Solid Percent Dry: 81.4% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
PCB-1016	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:48	SW3540C8082A
PCB-1221	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:48	SW3540C8082A
PCB-1232	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:48	SW3540C8082A
PCB-1242	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:48	SW3540C8082A
PCB-1248	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:48	SW3540C8082A
PCB-1254	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:48	SW3540C8082A
PCB-1260	< 0.6	0.6	ug/g	20	JLZ	7/6/11	4305	7/11/11	13:48	SW3540C8082A
Surrogate Recovery		**Limits**								
tetrachloro-m-xylene SUR	**DOR**	30-150	%	20	JLZ	7/6/11	4305	7/11/11	13:48	SW3540C8082A
decachlorobiphenyl SUR	**DOR**	30-150	%	20	JLZ	7/6/11	4305	7/11/11	13:48	SW3540C8082A

DOR = Diluted out of range.
Note: Dilution due to matrix interference.

Project ID: POLYCLAD 10001086
Job ID: 21906

Sample#: 21906-006
Sample ID: CA-5 12-14
Matrix: Solid Percent Dry: 77.6% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:10

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
TPH C10-C36	< 250	250	ug/g	1	JLZ	7/7/11	4312	7/8/11	19:52	SW3550B8100m
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**78**	40-140	%	1	JLZ	7/7/11	4312	7/8/11	19:52	SW3550B8100m
o-terphenyl SUR	**99**	40-140	%	1	JLZ	7/7/11	4312	7/8/11	19:52	SW3550B8100m

Sample#: 21906-007
Sample ID: CA-1 26-28
Matrix: Solid Percent Dry: 87.3% Results expressed on a dry weight basis.
Sampled: 6/29/11 15:56

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
TPH C10-C36	< 220	220	ug/g	1	JLZ	7/7/11	4312	7/8/11	20:09	SW3550B8100m
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**74**	40-140	%	1	JLZ	7/7/11	4312	7/8/11	20:09	SW3550B8100m
o-terphenyl SUR	**99**	40-140	%	1	JLZ	7/7/11	4312	7/8/11	20:09	SW3550B8100m

Sample#: 21906-008
Sample ID: CA-4 10-12
Matrix: Solid Percent Dry: 81.4% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
TPH C10-C36	< 240	240	ug/g	1	JLZ	7/7/11	4312	7/8/11	20:25	SW3550B8100m
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**74**	40-140	%	1	JLZ	7/7/11	4312	7/8/11	20:25	SW3550B8100m
o-terphenyl SUR	**93**	40-140	%	1	JLZ	7/7/11	4312	7/8/11	20:25	SW3550B8100m

Sample#: 21906-009
Sample ID: CA-TP-9 6'
Matrix: Solid Percent Dry: 95.7% Results expressed on a dry weight basis.
Sampled: 6/30/11 15:45

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
TPH C10-C36	< 200	200	ug/g	1	JLZ	7/7/11	4312	7/8/11	20:41	SW3550B8100m
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**68**	40-140	%	1	JLZ	7/7/11	4312	7/8/11	20:41	SW3550B8100m
o-terphenyl SUR	**88**	40-140	%	1	JLZ	7/7/11	4312	7/8/11	20:41	SW3550B8100m

Project ID: POLYCLAD 10001086
Job ID: 21906

Sample#: 21906-010
Sample ID: CA-TP-7A 10-12'
Matrix: Solid Percent Dry: 97.3% Results expressed on a dry weight basis.
Sampled: 6/30/11 17:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
TPH C10-C36	< 190	190	ug/g	1	JLZ	7/7/11	4312	7/8/11	20:58	SW3550B8100m
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**68**	40-140	%	1	JLZ	7/7/11	4312	7/8/11	20:58	SW3550B8100m
o-terphenyl SUR	**87**	40-140	%	1	JLZ	7/7/11	4312	7/8/11	20:58	SW3550B8100m

Sample#: 21906-012
Sample ID: CA-TP-DUP-2
Matrix: Solid Percent Dry: 94.7% Results expressed on a dry weight basis.
Sampled: 6/30/11 0:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
TPH C10-C36	< 200	200	ug/g	1	JLZ	7/7/11	4312	7/9/11	0:30	SW3550B8100m
Surrogate Recovery		**Limits**								
2-fluorobiphenyl SUR	**80**	40-140	%	1	JLZ	7/7/11	4312	7/9/11	0:30	SW3550B8100m
o-terphenyl SUR	**103**	40-140	%	1	JLZ	7/7/11	4312	7/9/11	0:30	SW3550B8100m

Project ID: POLYCLAD 10001086
Job ID: 21906

Sample#: 21906-001
Sample ID: CA-3 2-4
Matrix: Solid Percent Dry: 95.4% Results expressed on a dry weight basis.
Sampled: 6/29/11 12:59

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**4.4**	0.5	ug/g	1	BJS	7/6/11	4310	7/7/11	0:41	SW3051A6010C
Barium	**16**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:41	SW3051A6010C
Cadmium	< 0.2	0.2	ug/g	1	BJS	7/6/11	4310	7/7/11	0:41	SW3051A6010C
Chromium	**6**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:41	SW3051A6010C
Copper	**16**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:41	SW3051A6010C
Lead	**5.5**	0.5	ug/g	1	BJS	7/6/11	4310	7/7/11	0:41	SW3051A6010C
Mercury	< 0.08	0.08	ug/g	1	BJS	7/6/11	4309	7/7/11	10:45	SW7471B
Nickel	**7**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:41	SW3051A6010C
Selenium	< 3	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:41	SW3051A6010C
Silver	< 0.4	0.4	ug/g	1	BJS	7/6/11	4310	7/7/11	0:41	SW3051A6010C
Zinc	**21**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:41	SW3051A6010C

Sample#: 21906-002
Sample ID: CA-2 6-8
Matrix: Solid Percent Dry: 77.6% Results expressed on a dry weight basis.
Sampled: 6/29/11 12:55

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**1.5**	0.5	ug/g	1	BJS	7/6/11	4310	7/7/11	0:49	SW3051A6010C
Barium	**13**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:49	SW3051A6010C
Cadmium	< 0.2	0.2	ug/g	1	BJS	7/6/11	4310	7/7/11	0:49	SW3051A6010C
Chromium	**25**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:49	SW3051A6010C
Copper	**12**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:49	SW3051A6010C
Lead	**4.9**	0.5	ug/g	1	BJS	7/6/11	4310	7/7/11	0:49	SW3051A6010C
Mercury	< 0.07	0.07	ug/g	1	BJS	7/6/11	4309	7/7/11	10:47	SW7471B
Nickel	**5**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:49	SW3051A6010C
Selenium	< 3	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:49	SW3051A6010C
Silver	< 0.4	0.4	ug/g	1	BJS	7/6/11	4310	7/7/11	0:49	SW3051A6010C
Zinc	**23**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:49	SW3051A6010C

Project ID: POLYCLAD 10001086
Job ID: 21906

Sample#: 21906-006
Sample ID: CA-5 12-14
Matrix: Solid Percent Dry: 77.6% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:10

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**2.2**	0.7	ug/g	1	BJS	7/6/11	4310	7/7/11	0:56	SW3051A6010C
Barium	**16**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:56	SW3051A6010C
Cadmium	< 0.3	0.3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:56	SW3051A6010C
Chromium	**7**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:56	SW3051A6010C
Copper	**22**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:56	SW3051A6010C
Lead	**4.1**	0.7	ug/g	1	BJS	7/6/11	4310	7/7/11	0:56	SW3051A6010C
Mercury	< 0.08	0.08	ug/g	1	BJS	7/6/11	4309	7/7/11	10:49	SW7471B
Nickel	**6**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:56	SW3051A6010C
Selenium	< 3	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:56	SW3051A6010C
Silver	< 0.5	0.5	ug/g	1	BJS	7/6/11	4310	7/7/11	0:56	SW3051A6010C
Zinc	**17**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	0:56	SW3051A6010C

Sample#: 21906-008
Sample ID: CA-4 10-12
Matrix: Solid Percent Dry: 81.4% Results expressed on a dry weight basis.
Sampled: 6/29/11 17:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**2.1**	0.5	ug/g	1	BJS	7/6/11	4310	7/7/11	1:04	SW3051A6010C
Barium	**15**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	1:04	SW3051A6010C
Cadmium	< 0.2	0.2	ug/g	1	BJS	7/6/11	4310	7/7/11	1:04	SW3051A6010C
Chromium	**6**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	1:04	SW3051A6010C
Copper	**14**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	1:04	SW3051A6010C
Lead	**4.0**	0.5	ug/g	1	BJS	7/6/11	4310	7/7/11	1:04	SW3051A6010C
Mercury	< 0.07	0.07	ug/g	1	BJS	7/6/11	4309	7/7/11	10:51	SW7471B
Nickel	**5**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	1:04	SW3051A6010C
Selenium	< 3	3	ug/g	1	BJS	7/6/11	4310	7/7/11	1:04	SW3051A6010C
Silver	< 0.4	0.4	ug/g	1	BJS	7/6/11	4310	7/7/11	1:04	SW3051A6010C
Zinc	**14**	3	ug/g	1	BJS	7/6/11	4310	7/7/11	1:04	SW3051A6010C

Sample#: 21906-010
Sample ID: CA-TP-7A 10-12'
Matrix: Solid Percent Dry: 97.3% Results expressed on a dry weight basis.
Sampled: 6/30/11 17:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Lead	**5.6**	0.5	ug/g	1	BJS	7/6/11	4310	7/7/11	1:11	SW3051A6010C

Sample#: 21906-011
Sample ID: CA-TP-12 1'
Matrix: Solid Percent Dry: 91% Results expressed on a dry weight basis.
Sampled: 6/30/11 13:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Lead	**4.5**	0.6	ug/g	1	BJS	7/6/11	4310	7/7/11	1:19	SW3051A6010C

Quality Control Report

124 Heritage Avenue Unit 10
Portsmouth, NH 03801
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Case Narrative
Lab # 21906

Sample Receiving and Chain of Custody Discrepancies

Samples were received in acceptable condition, at 1 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Calibration

No exceptions noted.

Method Blank

No exceptions noted.

Surrogate Recoveries

PCB: The surrogates were diluted out of the calibration range in the following sample due to interferences caused by the matrix: 21906-003, -004, -005, -006, and -008.

Laboratory Control Sample Results

PCB: The relative percent difference between the LCS4305 and LCSD4305 was outside the acceptance criteria for PCB-1016 and PCB-1260. The percent recovery for these analytes in each QC parameter was within the acceptance criteria. No impact to the data suspected.
VOC: The MLCS/D4307 did not meet the acceptance criteria for dichlorodifluoromethane and vinyl chloride. These compounds are known to be problematic in the method.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results

Not requested for this project.

Other

Reporting Limits: Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

- QC Report -

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW5035A8260B	MB4307	dichlorodifluoromethane		<	0.1	ug/g					
		chloromethane		<	0.1	ug/g					
		vinyl chloride		<	0.1	ug/g					
		bromomethane		<	0.2	ug/g					
		chloroethane		<	0.1	ug/g					
		trichlorofluoromethane		<	0.1	ug/g					
		diethyl ether		<	0.5	ug/g					
		acetone		<	2.5	ug/g					
		1,1-dichloroethene		<	0.1	ug/g					
		methylene chloride		<	0.2	ug/g					
		carbon disulfide		<	0.1	ug/g					
		methyl t-butyl ether (MTBE)		<	0.1	ug/g					
		trans-1,2-dichloroethene		<	0.1	ug/g					
		isopropyl ether (DIPE)		<	0.1	ug/g					
		ethyl t-butyl ether (ETBE)		<	0.1	ug/g					
		1,1-dichloroethane		<	0.1	ug/g					
		t-butanol (TBA)		<	2.5	ug/g					
		2-butanone (MEK)		<	0.5	ug/g					
		2,2-dichloropropane		<	0.1	ug/g					
		cis-1,2-dichloroethene		<	0.1	ug/g					
		chloroform		<	0.1	ug/g					
		bromochloromethane		<	0.1	ug/g					
		tetrahydrofuran (THF)		<	0.5	ug/g					
		1,1,1-trichloroethane		<	0.1	ug/g					
		1,1-dichloropropene		<	0.1	ug/g					
		t-amyl-methyl ether (TAME)		<	0.1	ug/g					
		carbon tetrachloride		<	0.1	ug/g					
		1,2-dichloroethane		<	0.1	ug/g					
		benzene		<	0.1	ug/g					
		trichloroethene		<	0.1	ug/g					
		1,2-dichloropropane		<	0.1	ug/g					
		bromodichloromethane		<	0.1	ug/g					
		1,4-dioxane		<	2.5	ug/g					
		dibromomethane		<	0.1	ug/g					
		4-methyl-2-pentanone (MIBK)		<	0.5	ug/g					
		cis-1,3-dichloropropene		<	0.1	ug/g					
		toluene		<	0.1	ug/g					
		trans-1,3-dichloropropene		<	0.1	ug/g					
		2-hexanone		<	0.5	ug/g					
		1,1,2-trichloroethane		<	0.1	ug/g					
		1,3-dichloropropane		<	0.1	ug/g					
		tetrachloroethene		<	0.1	ug/g					
		dibromochloromethane		<	0.1	ug/g					
		1,2-dibromoethane (EDB)		<	0.1	ug/g					
		chlorobenzene		<	0.1	ug/g					
		1,1,1,2-tetrachloroethane		<	0.1	ug/g					
		ethylbenzene		<	0.1	ug/g					
		m&p-xylenes		<	0.1	ug/g					
		o-xylene		<	0.1	ug/g					
		styrene		<	0.1	ug/g					

Method	QC ID	Parameter	Associated Sample		Result	Units Amt Added	%R	Limits		RPD	RPD Limit
SW5035A8260B	MB4307	bromoform		<	0.1	ug/g					
		isopropylbenzene		<	0.1	ug/g					
		1,1,2,2-tetrachloroethane		<	0.1	ug/g					
		1,2,3-trichloropropane		<	0.1	ug/g					
		n-propylbenzene		<	0.1	ug/g					
		bromobenzene		<	0.1	ug/g					
		1,3,5-trimethylbenzene		<	0.1	ug/g					
		2-chlorotoluene		<	0.1	ug/g					
		4-chlorotoluene		<	0.1	ug/g					
		tert-butylbenzene		<	0.1	ug/g					
		1,2,4-trimethylbenzene		<	0.1	ug/g					
		sec-butylbenzene		<	0.1	ug/g					
		1,3-dichlorobenzene		<	0.1	ug/g					
		4-isopropyltoluene		<	0.1	ug/g					
		1,4-dichlorobenzene		<	0.1	ug/g					
		1,2-dichlorobenzene		<	0.1	ug/g					
		n-butylbenzene		<	0.1	ug/g					
		1,2-dibromo-3-chloropropane		<	0.1	ug/g					
		1,2,4-trichlorobenzene		<	0.1	ug/g					
		hexachlorobutadiene		<	0.1	ug/g					
		naphthalene		<	0.2	ug/g					
		1,2,3-trichlorobenzene		<	0.1	ug/g					
		dibromofluoromethane SUR			89	%		78	114		
		toluene-D8 SUR			93	%		88	110		
		4-bromofluorobenzene SUR			97	%		86	115		
		a,a,a-trifluorotoluene SUR			95	%		70	130		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW5035A8260B	MLCS4307	dichlorodifluoromethane			0.6	ug/g	1	61	*	70	130		
		chloromethane			0.8	ug/g	1	76		70	130		
		vinyl chloride			0.5	ug/g	1	52	*	70	130		
		bromomethane			1.1	ug/g	1	106		70	130		
		chloroethane			0.9	ug/g	1	92		70	130		
		trichlorofluoromethane			0.8	ug/g	1	82		70	130		
		diethyl ether			1.0	ug/g	1	97		70	130		
		acetone		<	2.5	ug/g	1	89					
		1,1-dichloroethene			0.8	ug/g	1	76		70	130		
		methylene chloride			0.9	ug/g	1	94		70	130		
		carbon disulfide			0.8	ug/g	1	79		70	130		
		methyl t-butyl ether (MTBE)			1.0	ug/g	1	95		70	130		
		trans-1,2-dichloroethene			0.8	ug/g	1	84		70	130		
		isopropyl ether (DIPE)			1.0	ug/g	1	98		70	130		
		ethyl t-butyl ether (ETBE)			1.0	ug/g	1	96		70	130		
		1,1-dichloroethane			0.9	ug/g	1	89		70	130		
		t-butanol (TBA)			6.3	ug/g	5	127		70	130		
		2-butanone (MEK)			1.0	ug/g	1	98		70	130		
		2,2-dichloropropane			1.1	ug/g	1	107		70	130		
		cis-1,2-dichloroethene			0.9	ug/g	1	95		70	130		
		chloroform			1.0	ug/g	1	97		70	130		
		bromochloromethane			1.0	ug/g	1	95		70	130		
		tetrahydrofuran (THF)			1.0	ug/g	1	101		70	130		
		1,1,1-trichloroethane			0.9	ug/g	1	93		70	130		
		1,1-dichloropropene			1.0	ug/g	1	95		70	130		
		t-amyl-methyl ether (TAME)			0.9	ug/g	1	93		70	130		
		carbon tetrachloride			0.9	ug/g	1	91		70	130		
		1,2-dichloroethane			1.0	ug/g	1	97		70	130		
		benzene			1.0	ug/g	1	97		70	130		
		trichloroethene			0.9	ug/g	1	93		70	130		
		1,2-dichloropropane			1.0	ug/g	1	99		70	130		
		bromodichloromethane			1.0	ug/g	1	97		70	130		
		1,4-dioxane		<	2.5	ug/g	2	113		70	130		
		dibromomethane			1.0	ug/g	1	97		70	130		
		4-methyl-2-pentanone (MIBK)			1.0	ug/g	1	98		70	130		
		cis-1,3-dichloropropene			1.0	ug/g	1	102		70	130		
		toluene			1.0	ug/g	1	97		70	130		
		trans-1,3-dichloropropene			1.1	ug/g	1	109		70	130		
		2-hexanone			0.9	ug/g	1	91		70	130		
		1,1,2-trichloroethane			1.0	ug/g	1	100		70	130		
		1,3-dichloropropane			0.9	ug/g	1	89		70	130		
		tetrachloroethene			1.0	ug/g	1	97		70	130		
		dibromochloromethane			0.8	ug/g	1	81		70	130		
		1,2-dibromoethane (EDB)			0.9	ug/g	1	87		70	130		
		chlorobenzene			1.0	ug/g	1	100		70	130		
		1,1,1,2-tetrachloroethane			0.9	ug/g	1	95		70	130		
		ethylbenzene			0.9	ug/g	1	89		70	130		
		m&p-xylenes			2.0	ug/g	2	100		70	130		
		o-xylene			1.1	ug/g	1	106		70	130		
		styrene			0.9	ug/g	1	94		70	130		
		bromoform			1.1	ug/g	1	108		70	130		

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW5035A8260B	MLCS4307	isopropylbenzene		1.0	ug/g	1	101	70	130		
		1,1,2,2-tetrachloroethane		1.1	ug/g	1	112	70	130		
		1,2,3-trichloropropane		1.1	ug/g	1	108	70	130		
		n-propylbenzene		1.1	ug/g	1	107	70	130		
		bromobenzene		1.0	ug/g	1	101	70	130		
		1,3,5-trimethylbenzene		1.0	ug/g	1	105	70	130		
		2-chlorotoluene		1.1	ug/g	1	108	70	130		
		4-chlorotoluene		1.1	ug/g	1	107	70	130		
		tert-butylbenzene		1.1	ug/g	1	108	70	130		
		1,2,4-trimethylbenzene		1.0	ug/g	1	105	70	130		
		sec-butylbenzene		1.1	ug/g	1	110	70	130		
		1,3-dichlorobenzene		1.1	ug/g	1	112	70	130		
		4-isopropyltoluene		1.1	ug/g	1	111	70	130		
		1,4-dichlorobenzene		1.0	ug/g	1	101	70	130		
		1,2-dichlorobenzene		1.0	ug/g	1	102	70	130		
		n-butylbenzene		1.1	ug/g	1	110	70	130		
		1,2-dibromo-3-chloropropane		0.9	ug/g	1	89	70	130		
		1,2,4-trichlorobenzene		0.9	ug/g	1	88	70	130		
		hexachlorobutadiene		1.0	ug/g	1	96	70	130		
		naphthalene		0.9	ug/g	1	93	70	130		
		1,2,3-trichlorobenzene		1.0	ug/g	1	98	70	130		
		dibromofluoromethane SUR		93	%			78	114		
		toluene-D8 SUR		95	%			88	110		
		4-bromofluorobenzene SUR		108	%			86	115		
		a,a,a-trifluorotoluene SUR		97	%			70	130		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW5035A8260B	MLCSD4307	dichlorodifluoromethane			0.6	ug/g	1	57	*	70	130	7	30
		chloromethane			0.8	ug/g	1	81		70	130	6	30
		vinyl chloride			0.5	ug/g	1	47	*	70	130	9	30
		bromomethane			1.2	ug/g	1	117		70	130	10	30
		chloroethane			0.9	ug/g	1	95		70	130	3	30
		trichlorofluoromethane			0.8	ug/g	1	83		70	130	1	30
		diethyl ether			1.0	ug/g	1	98		70	130	2	30
		acetone		<	2.5	ug/g	1	92				2	30
		1,1-dichloroethene			0.7	ug/g	1	74		70	130	3	30
		methylene chloride			0.9	ug/g	1	91		70	130	3	30
		carbon disulfide			0.8	ug/g	1	83		70	130	4	30
		methyl t-butyl ether (MTBE)			1.0	ug/g	1	100		70	130	5	30
		trans-1,2-dichloroethene			0.8	ug/g	1	81		70	130	3	30
		isopropyl ether (DIPE)			1.0	ug/g	1	101		70	130	3	30
		ethyl t-butyl ether (ETBE)			1.0	ug/g	1	99		70	130	3	30
		1,1-dichloroethane			0.9	ug/g	1	87		70	130	2	30
		t-butanol (TBA)			6.1	ug/g	5	122		70	130	4	30
		2-butanone (MEK)			1.0	ug/g	1	99		70	130	1	30
		2,2-dichloropropane			1.0	ug/g	1	105		70	130	2	30
		cis-1,2-dichloroethene			0.9	ug/g	1	94		70	130	1	30
		chloroform			1.0	ug/g	1	96		70	130	1	30
		bromochloromethane			0.9	ug/g	1	93		70	130	2	30
		tetrahydrofuran (THF)			1.0	ug/g	1	101		70	130	0	30
		1,1,1-trichloroethane			0.9	ug/g	1	90		70	130	3	30
		1,1-dichloropropene			1.0	ug/g	1	95		70	130	0	30
		t-amyl-methyl ether (TAME)			1.0	ug/g	1	99		70	130	6	30
		carbon tetrachloride			0.9	ug/g	1	87		70	130	4	30
		1,2-dichloroethane			1.0	ug/g	1	96		70	130	0	30
		benzene			1.0	ug/g	1	97		70	130	0	30
		trichloroethene			0.9	ug/g	1	92		70	130	1	30
		1,2-dichloropropane			1.0	ug/g	1	100		70	130	1	30
		bromodichloromethane			0.9	ug/g	1	94		70	130	4	30
		1,4-dioxane		<	2.5	ug/g	2	97		70	130	15	30
		dibromomethane			1.0	ug/g	1	100		70	130	2	30
		4-methyl-2-pentanone (MIBK)			1.0	ug/g	1	99		70	130	2	30
		cis-1,3-dichloropropene			1.0	ug/g	1	97		70	130	4	30
		toluene			1.0	ug/g	1	97		70	130	0	30
		trans-1,3-dichloropropene			1.1	ug/g	1	108		70	130	1	30
		2-hexanone			0.9	ug/g	1	94		70	130	3	30
		1,1,2-trichloroethane			1.0	ug/g	1	101		70	130	1	30
		1,3-dichloropropane			0.9	ug/g	1	92		70	130	4	30
		tetrachloroethene			1.0	ug/g	1	99		70	130	3	30
		dibromochloromethane			0.8	ug/g	1	79		70	130	3	30
		1,2-dibromoethane (EDB)			0.9	ug/g	1	89		70	130	2	30
		chlorobenzene			1.0	ug/g	1	101		70	130	1	30
		1,1,1,2-tetrachloroethane			0.9	ug/g	1	90		70	130	5	30
		ethylbenzene			0.9	ug/g	1	91		70	130	3	30
		m&p-xylenes			2.0	ug/g	2	102		70	130	2	30
		o-xylene			1.1	ug/g	1	108		70	130	1	30
		styrene			1.0	ug/g	1	95		70	130	1	30
		bromoform			1.0	ug/g	1	102		70	130	6	30

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW5035A8260B	MLCSD4307	isopropylbenzene		1.0	ug/g	1	100	70	130	1	30
		1,1,2,2-tetrachloroethane		1.1	ug/g	1	115	70	130	2	30
		1,2,3-trichloropropane		1.0	ug/g	1	105	70	130	3	30
		n-propylbenzene		1.1	ug/g	1	109	70	130	2	30
		bromobenzene		1.0	ug/g	1	103	70	130	1	30
		1,3,5-trimethylbenzene		1.0	ug/g	1	103	70	130	1	30
		2-chlorotoluene		1.1	ug/g	1	107	70	130	1	30
		4-chlorotoluene		1.1	ug/g	1	110	70	130	3	30
		tert-butylbenzene		1.1	ug/g	1	107	70	130	1	30
		1,2,4-trimethylbenzene		1.1	ug/g	1	108	70	130	3	30
		sec-butylbenzene		1.1	ug/g	1	111	70	130	1	30
		1,3-dichlorobenzene		1.2	ug/g	1	116	70	130	3	30
		4-isopropyltoluene		1.1	ug/g	1	112	70	130	1	30
		1,4-dichlorobenzene		1.0	ug/g	1	105	70	130	3	30
		1,2-dichlorobenzene		1.1	ug/g	1	106	70	130	4	30
		n-butylbenzene		1.1	ug/g	1	112	70	130	2	30
		1,2-dibromo-3-chloropropane		0.9	ug/g	1	85	70	130	4	30
		1,2,4-trichlorobenzene		0.9	ug/g	1	90	70	130	2	30
		hexachlorobutadiene		1.0	ug/g	1	103	70	130	8	30
		naphthalene		1.0	ug/g	1	99	70	130	6	30
		1,2,3-trichlorobenzene		1.0	ug/g	1	102	70	130	4	30
		dibromofluoromethane SUR		94	%			78	114		
		toluene-D8 SUR		96	%			88	110		
		4-bromofluorobenzene SUR		109	%			86	115		
		a,a,a-trifluorotoluene SUR		95	%			70	130		

- QC Report -

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD		RPD Limit
SW3540C8082A	BLK4305	PCB-1016		<	0.02	ug/g							
		PCB-1221		<	0.02	ug/g							
		PCB-1232		<	0.02	ug/g							
		PCB-1242		<	0.02	ug/g							
		PCB-1248		<	0.02	ug/g							
		PCB-1254		<	0.02	ug/g							
		PCB-1260		<	0.02	ug/g							
		tetrachloro-m-xylene SUR			51	%			30	150			
		decachlorobiphenyl SUR			62	%			30	150			
SW3540C8082A	LCS4305	PCB-1016			0.13	ug/g	0.2	64	40	140			
		PCB-1221		<	0.02	ug/g							
		PCB-1232		<	0.02	ug/g							
		PCB-1242		<	0.02	ug/g							
		PCB-1248		<	0.02	ug/g							
		PCB-1254		<	0.02	ug/g							
		PCB-1260			0.13	ug/g	0.2	64	40	140			
		tetrachloro-m-xylene SUR			48	%			30	150			
		decachlorobiphenyl SUR			57	%			30	150			
SW3540C8082A	LCSD4305	PCB-1016			0.18	ug/g	0.2	91	40	140	35	*	30
		PCB-1221		<	0.02	ug/g							
		PCB-1232		<	0.02	ug/g							
		PCB-1242		<	0.02	ug/g							
		PCB-1248		<	0.02	ug/g							
		PCB-1254		<	0.02	ug/g							
		PCB-1260			0.18	ug/g	0.2	90	40	140	34	*	30
		tetrachloro-m-xylene SUR			61	%			30	150			
		decachlorobiphenyl SUR			72	%			30	150			

Method	QC ID	Parameter	Associated Sample		Result	Units Amt Added	%R	Limits	RPD	RPD Limit
SW3546/8270D	BLK4314	N-nitrosodimethylamine		<	0.2	ug/g				
		aniline		<	0.2	ug/g				
		phenol		<	0.2	ug/g				
		2-chlorophenol		<	0.5	ug/g				
		bis(2-chloroethyl)ether		<	0.2	ug/g				
		1,3-dichlorobenzene		<	0.2	ug/g				
		1,4-dichlorobenzene		<	0.2	ug/g				
		1,2-dichlorobenzene		<	0.2	ug/g				
		benzyl alcohol		<	0.2	ug/g				
		2-methylphenol		<	0.2	ug/g				
		bis(2-chloroisopropyl) ether		<	0.2	ug/g				
		hexachloroethane		<	0.2	ug/g				
		N-nitroso-di-N-propylamine		<	0.2	ug/g				
		4-methylphenol		<	0.2	ug/g				
		nitrobenzene		<	0.2	ug/g				
		isophorone		<	0.5	ug/g				
		2-nitrophenol		<	0.2	ug/g				
		2,4-dimethylphenol		<	0.2	ug/g				
		bis(2-chloroethoxy)methane		<	0.5	ug/g				
		2,4-dichlorophenol		<	0.5	ug/g				
		1,2,4-trichlorobenzene		<	0.5	ug/g				
		naphthalene		<	0.05	ug/g				
		benzoic acid		<	5.0	ug/g				
		4-chloroaniline		<	0.2	ug/g				
		hexachlorobutadiene		<	0.2	ug/g				
		4-chloro-3-methylphenol		<	0.2	ug/g				
		2-methylnaphthalene		<	0.05	ug/g				
		hexachlorocyclopentadiene		<	1.0	ug/g				
		2,4,6-trichlorophenol		<	0.2	ug/g				
		2,4,5-trichlorophenol		<	0.2	ug/g				
		2-chloronaphthalene		<	0.5	ug/g				
		2-nitroaniline		<	0.2	ug/g				
		acenaphthylene		<	0.05	ug/g				
		dimethylphthalate		<	0.5	ug/g				
		2,6-dinitrotoluene		<	0.2	ug/g				
		2,4-dinitrotoluene		<	0.2	ug/g				
		acenaphthene		<	0.05	ug/g				
		3-nitroaniline		<	0.2	ug/g				
		2,4-dinitrophenol		<	5.0	ug/g				
		dibenzofuran		<	0.05	ug/g				
		4-nitrophenol		<	1.0	ug/g				
		fluorene		<	0.05	ug/g				
		diethyl phthalate		<	0.5	ug/g				
		4-chlorophenyl phenyl ether		<	0.5	ug/g				
		4-nitroaniline		<	0.5	ug/g				
		4,6-dinitro-2-methylphenol		<	2.0	ug/g				
		azobenzene		<	0.2	ug/g				
		N-nitrosodiphenylamine		<	0.2	ug/g				
		4-bromophenyl phenyl ether		<	0.2	ug/g				
		hexachlorobenzene		<	0.2	ug/g				
		pentachlorophenol		<	1.0	ug/g				

Method	QC ID	Parameter	Associated Sample		Result	Units Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8270D	BLK4314	phenanthrene		<	0.05	ug/g					
		anthracene		<	0.05	ug/g					
		carbazole		<	0.2	ug/g					
		di-n-butylphthalate		<	0.5	ug/g					
		fluoranthene		<	0.05	ug/g					
		benzidine		<	3.0	ug/g					
		pyrene		<	0.05	ug/g					
		butyl benzyl phthalate		<	0.5	ug/g					
		benzo(a)anthracene		<	0.05	ug/g					
		chrysene		<	0.05	ug/g					
		3,3'-dichlorobenzidine		<	3.0	ug/g					
		bis(2-ethylhexyl)phthalate		<	0.5	ug/g					
		di-n-octyl phthalate		<	0.2	ug/g					
		benzo(b)fluoranthene		<	0.05	ug/g					
		benzo(k)fluoranthene		<	0.05	ug/g					
		benzo(a)pyrene		<	0.02	ug/g					
		indeno(1,2,3-cd)pyrene		<	0.05	ug/g					
		dibenzo(a,h)anthracene		<	0.05	ug/g					
		benzo(g,h,i)perylene		<	0.05	ug/g					
		2-fluorophenol SUR			43	%		21	100		
		phenol-D5 SUR			46	%		10	102		
		2,4,6-tribromophenol SUR			40	%		10	123		
		nitrobenzene-D5 SUR			38	%		35	114		
		2-fluorobiphenyl SUR			49	%		43	116		
		p-terphenyl-D14 SUR			66	%		33	141		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8270D	LCS4314	N-nitrosodimethylamine		<	0.2	ug/g						
		aniline		<	0.2	ug/g						
		phenol			5.6	ug/g	10	56	30	130		
		2-chlorophenol			6.5	ug/g	10	65	30	130		
		bis(2-chloroethyl)ether		<	0.2	ug/g						
		1,3-dichlorobenzene		<	0.2	ug/g						
		1,4-dichlorobenzene		<	0.2	ug/g						
		1,2-dichlorobenzene		<	0.2	ug/g						
		benzyl alcohol		<	0.2	ug/g						
		2-methylphenol		<	0.2	ug/g						
		bis(2-chloroisopropyl) ether		<	0.2	ug/g						
		hexachloroethane		<	0.2	ug/g						
		N-nitroso-di-N-propylamine		<	0.2	ug/g						
		4-methylphenol		<	0.2	ug/g						
		nitrobenzene		<	0.2	ug/g						
		isophorone		<	0.5	ug/g						
		2-nitrophenol		<	0.2	ug/g						
		2,4-dimethylphenol		<	0.2	ug/g						
		bis(2-chloroethoxy)methane		<	0.5	ug/g						
		2,4-dichlorophenol		<	0.5	ug/g						
		1,2,4-trichlorobenzene		<	0.5	ug/g						
		naphthalene			2.4	ug/g	4	59	40	140		
		benzoic acid		<	5.0	ug/g						
		4-chloroaniline		<	0.2	ug/g						
		hexachlorobutadiene		<	0.2	ug/g						
		4-chloro-3-methylphenol			6.6	ug/g	10	66	30	130		
		2-methylnaphthalene			2.45	ug/g	4	61	40	140		
		hexachlorocyclopentadiene		<	1.0	ug/g						
		2,4,6-trichlorophenol		<	0.2	ug/g						
		2,4,5-trichlorophenol		<	0.2	ug/g						
		2-chloronaphthalene		<	0.5	ug/g						
		2-nitroaniline		<	0.2	ug/g						
		acenaphthylene			2.9	ug/g	4	72	40	140		
		dimethylphthalate		<	0.5	ug/g						
		2,6-dinitrotoluene		<	0.2	ug/g						
		2,4-dinitrotoluene		<	0.2	ug/g						
		acenaphthene			2.8	ug/g						
		3-nitroaniline		<	0.2	ug/g						
		2,4-dinitrophenol		<	5.0	ug/g						
		dibenzofuran		<	0.05	ug/g						
		4-nitrophenol			6.4	ug/g	10	64	30	130		
		fluorene			3.0	ug/g	4	76	40	140		
		diethyl phthalate		<	0.5	ug/g						
		4-chlorophenyl phenyl ether		<	0.5	ug/g						
		4-nitroaniline		<	0.5	ug/g						
		4,6-dinitro-2-methylphenol		<	2.0	ug/g						
		azobenzene		<	0.2	ug/g						
		N-nitrosodiphenylamine		<	0.2	ug/g						
		4-bromophenyl phenyl ether		<	0.2	ug/g						
		hexachlorobenzene		<	0.2	ug/g						
		pentachlorophenol			4.3	ug/g	10	43	30	130		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8270D	LCS4314	phenanthrene			2.9	ug/g	4	72	40	140		
		anthracene			3.0	ug/g	4	75	40	140		
		carbazole		<	0.2	ug/g						
		di-n-butylphthalate		<	0.5	ug/g						
		fluoranthene			3.3	ug/g	4	81	40	140		
		benzidine		<	3.0	ug/g						
		pyrene			3.5	ug/g	4	87	40	140		
		butyl benzyl phthalate		<	0.5	ug/g						
		benzo(a)anthracene			3.3	ug/g	4	82	40	140		
		chrysene			3.3	ug/g	4	82	40	140		
		3,3'-dichlorobenzidine		<	3.0	ug/g						
		bis(2-ethylhexyl)phthalate		<	0.5	ug/g						
		di-n-octyl phthalate		<	0.2	ug/g						
		benzo(b)fluoranthene			3.4	ug/g	4	85	40	140		
		benzo(k)fluoranthene			3.0	ug/g	4	76	40	140		
		benzo(a)pyrene			3.3	ug/g	4	82	40	140		
		indeno(1,2,3-cd)pyrene			3.2	ug/g	4	81	40	140		
		dibenzo(a,h)anthracene			3.2	ug/g	4	79	40	140		
		benzo(g,h,i)perylene			3.2	ug/g	4	79	40	140		
		2-fluorophenol SUR			53	%			21	100		
		phenol-D5 SUR			57	%			10	102		
		2,4,6-tribromophenol SUR			52	%			10	123		
		nitrobenzene-D5 SUR			50	%			35	114		
		2-fluorobiphenyl SUR			64	%			43	116		
		p-terphenyl-D14 SUR			71	%			33	141		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8270D	LCSD4314	N-nitrosodimethylamine		<	0.2	ug/g						
		aniline		<	0.2	ug/g						
		phenol			5.4	ug/g	10	54	30	130	4	30
		2-chlorophenol			5.9	ug/g	10	59	30	130	9	30
		bis(2-chloroethyl)ether		<	0.2	ug/g						
		1,3-dichlorobenzene		<	0.2	ug/g						
		1,4-dichlorobenzene		<	0.2	ug/g						
		1,2-dichlorobenzene		<	0.2	ug/g						
		benzyl alcohol		<	0.2	ug/g						
		2-methylphenol		<	0.2	ug/g						
		bis(2-chloroisopropyl) ether		<	0.2	ug/g						
		hexachloroethane		<	0.2	ug/g						
		N-nitroso-di-N-propylamine		<	0.2	ug/g						
		4-methylphenol		<	0.2	ug/g						
		nitrobenzene		<	0.2	ug/g						
		isophorone		<	0.5	ug/g						
		2-nitrophenol		<	0.2	ug/g						
		2,4-dimethylphenol		<	0.2	ug/g						
		bis(2-chloroethoxy)methane		<	0.5	ug/g						
		2,4-dichlorophenol		<	0.5	ug/g						
		1,2,4-trichlorobenzene		<	0.5	ug/g						
		naphthalene			2.2	ug/g	4	56	40	140	6	30
		benzoic acid		<	5.0	ug/g						
		4-chloroaniline		<	0.2	ug/g						
		hexachlorobutadiene		<	0.2	ug/g						
		4-chloro-3-methylphenol			6.4	ug/g	10	64	30	130	2	30
		2-methylnaphthalene			2.32	ug/g	4	58	40	140	5	30
		hexachlorocyclopentadiene		<	1.0	ug/g						
		2,4,6-trichlorophenol		<	0.2	ug/g						
		2,4,5-trichlorophenol		<	0.2	ug/g						
		2-chloronaphthalene		<	0.5	ug/g						
		2-nitroaniline		<	0.2	ug/g						
		acenaphthylene			2.9	ug/g	4	72	40	140	0	30
		dimethylphthalate		<	0.5	ug/g						
		2,6-dinitrotoluene		<	0.2	ug/g						
		2,4-dinitrotoluene		<	0.2	ug/g						
		acenaphthene			2.7	ug/g						
		3-nitroaniline		<	0.2	ug/g						
		2,4-dinitrophenol		<	5.0	ug/g						
		dibenzofuran		<	0.05	ug/g						
		4-nitrophenol			6.2	ug/g	10	62	30	130	3	30
		fluorene			3.0	ug/g	4	75	40	140	1	30
		diethyl phthalate		<	0.5	ug/g						
		4-chlorophenyl phenyl ether		<	0.5	ug/g						
		4-nitroaniline		<	0.5	ug/g						
		4,6-dinitro-2-methylphenol		<	2.0	ug/g						
		azobenzene		<	0.2	ug/g						
		N-nitrosodiphenylamine		<	0.2	ug/g						
		4-bromophenyl phenyl ether		<	0.2	ug/g						
		hexachlorobenzene		<	0.2	ug/g						
		pentachlorophenol			3.6	ug/g	10	36	30	130	17	30

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8270D	LCSD4314	phenanthrene			2.9	ug/g	4	72	40	140	0	30
		anthracene			3.0	ug/g	4	76	40	140	0	30
		carbazole		<	0.2	ug/g						
		di-n-butylphthalate		<	0.5	ug/g						
		fluoranthene			3.4	ug/g	4	84	40	140	3	30
		benzidine		<	3.0	ug/g						
		pyrene			3.5	ug/g	4	88	40	140	2	30
		butyl benzyl phthalate		<	0.5	ug/g						
		benzo(a)anthracene			3.4	ug/g	4	84	40	140	2	30
		chrysene			3.4	ug/g	4	84	40	140	2	30
		3,3'-dichlorobenzidine		<	3.0	ug/g						
		bis(2-ethylhexyl)phthalate		<	0.5	ug/g						
		di-n-octyl phthalate		<	0.2	ug/g						
		benzo(b)fluoranthene			3.5	ug/g	4	87	40	140	3	30
		benzo(k)fluoranthene			3.2	ug/g	4	80	40	140	5	30
		benzo(a)pyrene			3.3	ug/g	4	84	40	140	1	30
		indeno(1,2,3-cd)pyrene			3.2	ug/g	4	81	40	140	0	30
		dibenzo(a,h)anthracene			3.2	ug/g	4	79	40	140	0	30
		benzo(g,h,i)perylene			3.2	ug/g	4	80	40	140	1	30
		2-fluorophenol SUR			49	%			21	100		
		phenol-D5 SUR			51	%			10	102		
		2,4,6-tribromophenol SUR			49	%			10	123		
		nitrobenzene-D5 SUR			46	%			35	114		
		2-fluorobiphenyl SUR			63	%			43	116		
		p-terphenyl-D14 SUR			70	%			33	141		
SW3550B8100m	BLK4312	TPH C10-C36		<	200	ug/g						
		2-fluorobiphenyl SUR			68	%			40	140		
		o-terphenyl SUR			88	%			40	140		
SW3550B8100m	DUP4312	2-fluorobiphenyl SUR	21913-001		115	%			40	140		
		o-terphenyl SUR	21913-001		104	%			40	140		
SW3550B8100m	LCS4312	TPH C10-C36			1500	ug/g	2500	59	40	140		
		2-fluorobiphenyl SUR			73	%			40	140		
		o-terphenyl SUR			89	%			40	140		
SW3550B8100m	MS4312	2-fluorobiphenyl SUR	21913-001		78	%			40	140		
		o-terphenyl SUR	21913-001		108	%			40	140		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3550B8270D	BLK4315	naphthalene		<	0.50	ug/g						
		2-methylnaphthalene		<	0.50	ug/g						
		acenaphthylene		<	0.50	ug/g						
		acenaphthene		<	0.50	ug/g						
		dibenzofuran		<	0.50	ug/g						
		fluorene		<	0.50	ug/g						
		phenanthrene		<	0.50	ug/g						
		anthracene		<	0.50	ug/g						
		fluoranthene		<	0.50	ug/g						
		pyrene		<	0.50	ug/g						
		benzo(a)anthracene		<	0.50	ug/g						
		chrysene		<	0.50	ug/g						
		benzo(b)fluoranthene		<	0.50	ug/g						
		benzo(k)fluoranthene		<	0.50	ug/g						
		benzo(a)pyrene		<	0.50	ug/g						
		indeno(1,2,3-cd)pyrene		<	0.50	ug/g						
		dibenzo(a,h)anthracene		<	0.50	ug/g						
		benzo(g,h,i)perylene		<	0.50	ug/g						
		2-fluorobiphenyl SUR			78	%			43	116		
		o-terphenyl SUR			79	%			33	141		
SW3550B8270D	LCS4315	naphthalene			3.1	ug/g	4	78	40	140		
		2-methylnaphthalene			3.6	ug/g	4	90	40	140		
		acenaphthylene			3.5	ug/g	4	88	40	140		
		acenaphthene			3.3	ug/g	4	82	40	140		
		dibenzofuran		<	0.50	ug/g						
		fluorene			3.4	ug/g	4	84	40	140		
		phenanthrene			3.2	ug/g	4	81	40	140		
		anthracene			3.4	ug/g	4	84	40	140		
		fluoranthene			3.3	ug/g	4	83	40	140		
		pyrene			3.8	ug/g	4	95	40	140		
		benzo(a)anthracene			3.6	ug/g	4	90	40	140		
		chrysene			3.8	ug/g	4	95	40	140		
		benzo(b)fluoranthene			3.9	ug/g	4	96	40	140		
		benzo(k)fluoranthene			3.2	ug/g	4	79	40	140		
		benzo(a)pyrene			3.3	ug/g	4	82	40	140		
		indeno(1,2,3-cd)pyrene			3.1	ug/g	4	78	40	140		
		dibenzo(a,h)anthracene			2.8	ug/g	4	71	40	140		
		benzo(g,h,i)perylene			3.3	ug/g	4	83	40	140		
		2-fluorobiphenyl SUR			76	%			43	116		
		o-terphenyl SUR			78	%			33	141		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3051A6010C	BLK4310	Silver		<	0.25	ug/g						
		Arsenic		<	0.50	ug/g						
		Barium		<	2.5	ug/g						
		Cadmium		<	0.20	ug/g						
		Chromium		<	2.5	ug/g						
		Copper		<	2.5	ug/g						
		Nickel		<	2.5	ug/g						
		Lead		<	0.50	ug/g						
		Selenium		<	2.5	ug/g						
		Zinc		<	2.5	ug/g						
SW3051A6010C	CRM4310	Silver			40	ug/g	38		25.1	51.9		
		Arsenic			390	ug/g	400		292	508		
		Barium			24	ug/g	25		0	51.3		
		Cadmium			16	ug/g	15		8.71	22		
		Chromium			13	ug/g	14		2.45	24.7		
		Copper			710	ug/g	730		592	866		
		Nickel			15	ug/g	17		6.2	27.5		
		Lead			5000	ug/g	5100		3753	6469		
		Selenium			6.2	ug/g	6.6		0	18.4		
		Zinc			3000	ug/g	3000		2447	3575		
SW3051A6010C	CRMD4310	Silver			41	ug/g	38		25.1	51.9	2	20
		Arsenic			400	ug/g	400		292	508	2	20
		Barium			26	ug/g	25		0	51.3	7	20
		Cadmium			16	ug/g	15		8.71	22	1	20
		Chromium			15	ug/g	14		2.45	24.7	15	20
		Copper			740	ug/g	730		592	866	4	20
		Nickel			16	ug/g	17		6.2	27.5	6	20
		Lead			5300	ug/g	5100		3753	6469	5	20
		Selenium			6.2	ug/g	6.6		0	18.4	1	20
		Zinc			3000	ug/g	3000		2447	3575	0	20
SW3051A6010C	DUP4310	Lead	21906-011		ERROR	ug/g					9	35
SW7471B	BLK4309	Mercury		<	0.02	ug/g						
SW7471B	CRM4309	Mercury			1.3	ug/g	1.1		0.49	1.76		
SW7471B	CRMD4309	Mercury			1.3	ug/g	1.1		0.49	1.76	1	20
SW7471B	DUP4309	Mercury	21894-009		1.4	ug/g					26	35
SW7471B	MS4309	Mercury	21894-009		1.1	ug/g	2.04	1	75	125		
SW7471B	MS4309	Mercury	21907-003		0.20	ug/g	0.172	113	75	125		

RL Resource Laboratories, LLC
124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

21906

Company Name: CREDERE
Company Address: 776 MAIN ST WESTBROOK ME 04092
Report To: RICK VANDENBERG
Phone #: 207-828-1272
Invoice To: Same

Project Name: POLYCLAD
Project #: 10001086
Project Location: (NH) MA ME VT ____ Other
Protocol: RCRA SDWA NPDES / MCP (NHDES) OTHER
Reporting Limits: QAPP GW-1 S-1 / EPA DW Other____
Quote #____ ☐ NH GREE/ODD Fund Pricing
PO # 10001086

ANALYSIS REQUEST

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER*	☐ VOC 8260 NHDES	☐ VOC 8260 MADEP	☐ VOC 624 ☐ VOC BTEX ☐ MtBE, only ☐ VOC 8021VT	☐ VPH MADEP ☐ MEGRO ☐ GRO 8015	☐ VOC 524.2 ☐ VOC 524.2 NH List	☒ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint	☐ 8270PAH 4 ☐ 8270ABN ☐ 625 ☐ EDB 504.1	☒ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB Soxhlet	☐ O&G 1664 ☐ Mineral O&G SM5520F	☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity	☐ TSS ☐ TDS ☐ TVS ☐ Alkalinity	☒ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals	☒ Total Metals-list: Zn, Cu, Ni	☐ Dissolved Metals-list:	☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON	☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN	☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P	☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride	☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP	☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide	Subcontract: ☐ TOC ☐ Grain Size ☐ TCLP Herbicides	8270 PAH	Pb, total	Grab (G) or Composite (C)
21906001	CA-3 2-4	1		X								6/29/11	1259	JBO						X						X	X										G
02	CA-2 6-8	2		X						X		6/29/11	1255	JBO	X											X	X											
03	CA-CC-1	1		X								6/30/11	1200	JRW								X																	
04	CA-CC-DUP	1		X								6/30/11	1200	JRW								X																	
05	CA-CC-2	1		X								6/30/11	1215	JRW								X																	
06	CA-5 12-14	2		X						X		6/29/11	1710	JBO	X					X	+	X				X	X											
07	CA-1 26-28	2		X						X		6/29/11	1556	JBO	X					X						X	X										X	
08	CA-4 10-12	2		X						X		6/29/11	1740	JBO	X					X	X	X				X	X											
09	CA-TP-9 6'	2		X						X		6/30/11	1545	JRW	X					X																	X	
10	CA-TP-7A 10-12'	2		X								6/30/11	1730	JRW	X					X																	X	X
11	CA-TP-12 1'	2		X						X		6/30/11	1315	JRW	X																							✓

TAT REQUESTED
Priority (24 hr)** ☐
Expedited (48 hr)** ☒
Standard (10 Business Days) ☐
**Date Needed 7/7/11

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

SPECIAL INSTRUCTIONS
added per Judd 7/5 JR

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) RVANDENBERG@CREDERELLC.COM
☐ HARD COPY REQUIRED ☐ FAX (FAX#)____ ☐ OTHER (specify)____

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE ____ °C

CUSTODY RECORD

	Date	Time		Date	Time
Relinquished by Sampler:	7/1/11	1021	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by Laboratory:	7/1/11	10:20
			Way Bill#:		

RL Resource Laboratories, LLC
124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

21906

Company Name: CREDERE
Company Address: 776 MAIN ST WESTBROOK ME 04092
Report To: RICK VANDENBERG
Phone #: 207-828-1272
Invoice To: Same

Project Name: POLYCLAD
Project #: 10001086
Project Location: (NH) MA ME VT Other
Protocol: RCRA SDWA NPDES MCP (NHDES) OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote #: ☐ NH GREE/ODD Fund Pricing
PO # 10001086

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	Matrix: SOLID	Matrix: OTHER	Preservation: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER*	Analysis: TPH	Grab (G) or Composite (C)
12	CA-TP-DUP-2	1		X								6/30/11	—	JRV	X	C

ANALYSIS REQUEST

- ☐ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP
- ☐ VOC 624 ☐ VOC BTEX ☐ MtBE, only ☐ VOC 8021VT
- ☐ VPH MADEP ☐ MEGRO ☐ GRO 8015
- ☐ VOC 524.2 ☐ VOC 524.2 NH List
- ☒ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint
- ☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1
- ☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB
- ☐ O&G 1664 ☐ Mineral O&G SM5520F
- ☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity
- ☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity
- ☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals
- ☐ Total Metals-list:
- ☐ Dissolved Metals-list:
- ☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON
- ☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN
- ☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P
- ☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride
- ☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP
- ☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide
- Subcontract: ☐ TOC ☐ Grain Size ☐ TCLP Herbicides

TAT REQUESTED
Priority (24 hr)** ☐
Expedited (48 hr)** ☒
Standard (10 Business Days) ☐
**Date Needed 7/7/11

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

SPECIAL INSTRUCTIONS

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) RVANDENBERG@CREDERELLC.COM
☐ HARD COPY REQUIRED ☐ FAX (FAX#) ☐ OTHER (specify)

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE (°C

CUSTODY RECORD

Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Sampler: [signature]	7/1/11	1021	Received by: —		
Relinquished by: —			Received by: —		
Relinquished by:			Received by Laboratory: [signature] Way Bill#:	7/1/11	10:2?

Absolute Resource associates
124 Heritage Avenue #10 Portsmouth, NH 03801

Jonathan O'Donnell
CREDERE Associates
776 Main Street
Westbrook, ME 04092

PO Number: None
Job ID: 21917
Date Received: 7/6/11

Project: POLYCLAD 10001086

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 Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures 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.

Absolute Resource Associates 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,
Absolute Resource Associates

Sue Sylvester
Principal, General Manager

Date of Approval: 7/14/2011
Total number of pages: 38

Absolute Resource Associates Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: POLYCLAD 10001086
Lab ID: 21917

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
CA-1	Water	7/5/2011 15:15	21917-001	
				VOCs in water by 8260 Petro & Haz Waste
CA-2	Water	7/5/2011 14:20	21917-002	
				Acid & Base/Neutral Extractables in water by 8270
				Water Digestion for ICP Analysis
				Silver in water by 6010
				Arsenic in water by 6010
				Barium in water by 6010
				Cadmium in water by 6010
				Chromium in water by 6010
				Copper in water by 6010
				Mercury in water by 7470
				Nickel in water by 6010
				Lead in water by 6010
				Selenium in water by 6010
				Zinc in water by 6010
				VOCs in water by 8260 Petro & Haz Waste
CA-3	Water	7/5/2011 15:30	21917-003	
				Water Digestion for ICP Analysis
				Silver in water by 6010
				Arsenic in water by 6010
				Barium in water by 6010
				Cadmium in water by 6010
				Chromium in water by 6010
				Mercury in water by 7470
				Lead in water by 6010
				Selenium in water by 6010
				VOCs in water by 8260 Petro & Haz Waste
MW-2	Water	7/5/2011 13:20	21917-004	
				Water Digestion for ICP Analysis
				Lead in water by 6010
				VOCs in water by 8260 Petro & Haz Waste
SS-3	Solid	7/5/2011 12:00	21917-005	
				Acid & Base/Neutral Extractables in solid by 8270
				Percent Dry Matter for Sample Calc by SM2540B,G

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21917
Sample#: 21917-001
Sample ID: CA-1
Matrix: Water
Sampled: 7/5/11 15:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
diethyl ether	< 5	5	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
t-butanol (TBA)	< 30	30	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B

Project ID: POLYCLAD 10001086
Job ID: 21917
Sample#: 21917-001
Sample ID: CA-1
Matrix: Water
Sampled: 7/5/11 15:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,3,5-trimethylbenzene	**4**	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,2,4-trimethylbenzene	**9**	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,3,5-trichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**88**	78-114	%	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
toluene-D8 SUR	**92**	88-110	%	1	LMM		1101353	7/7/11	15:21	SW5030B8260B
4-bromofluorobenzene SUR	**93**	86-115	%	1	LMM		1101353	7/7/11	15:21	SW5030B8260B

Project ID: POLYCLAD 10001086
Job ID: 21917
Sample#: 21917-002
Sample ID: CA-2
Matrix: Water
Sampled: 7/5/11 14:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
chloromethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
vinyl chloride	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
bromomethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
chloroethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
trichlorofluoromethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
diethyl ether	< 25	25	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
acetone	< 250	250	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,1-dichloroethene	< 5	5	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
methylene chloride	< 25	25	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
carbon disulfide	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
methyl t-butyl ether (MTBE)	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
trans-1,2-dichloroethene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
isopropyl ether (DIPE)	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,1-dichloroethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
t-butanol (TBA)	< 150	150	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
2-butanone (MEK)	< 50	50	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
2,2-dichloropropane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
cis-1,2-dichloroethene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
chloroform	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
bromochloromethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
tetrahydrofuran (THF)	< 50	50	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,1,1-trichloroethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,1-dichloropropene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
t-amyl-methyl ether (TAME)	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
carbon tetrachloride	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,2-dichloroethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
benzene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
trichloroethene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,2-dichloropropane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
bromodichloromethane	< 3.0	3.0	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,4-dioxane	< 250	250	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
dibromomethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 50	50	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
cis-1,3-dichloropropene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
toluene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
trans-1,3-dichloropropene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
2-hexanone	< 50	50	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,1,2-trichloroethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,3-dichloropropane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
tetrachloroethene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
dibromochloromethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B

Project ID: POLYCLAD 10001086
Job ID: 21917
Sample#: 21917-002
Sample ID: CA-2
Matrix: Water
Sampled: 7/5/11 14:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
1,2-dibromoethane (EDB)	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
chlorobenzene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,1,1,2-tetrachloroethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
ethylbenzene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
m&p-xylenes	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
o-xylene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
styrene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
bromoform	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
isopropylbenzene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,1,2,2-tetrachloroethane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,2,3-trichloropropane	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
n-propylbenzene	**29**	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
bromobenzene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,3,5-trimethylbenzene	**320**	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
2-chlorotoluene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
4-chlorotoluene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
tert-butylbenzene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,2,4-trimethylbenzene	**710**	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
sec-butylbenzene	**43**	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,3-dichlorobenzene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
4-isopropyltoluene	**100**	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,4-dichlorobenzene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,2-dichlorobenzene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
n-butylbenzene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,2,4-trichlorobenzene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,3,5-trichlorobenzene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
hexachlorobutadiene	< 2.5	2.5	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
naphthalene	< 25	25	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
1,2,3-trichlorobenzene	< 10	10	ug/L	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**85**	78-114	%	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
toluene-D8 SUR	**92**	88-110	%	5	LMM		1101353	7/7/11	23:16	SW5030B8260B
4-bromofluorobenzene SUR	**99**	86-115	%	5	LMM		1101353	7/7/11	23:16	SW5030B8260B

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21917
Sample#: 21917-003
Sample ID: CA-3
Matrix: Water
Sampled: 7/5/11 15:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
diethyl ether	< 5	5	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
t-butanol (TBA)	< 30	30	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B

Project ID: POLYCLAD 10001086
Job ID: 21917
Sample#: 21917-003
Sample ID: CA-3
Matrix: Water
Sampled: 7/5/11 15:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,3,5-trichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**90**	78-114	%	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
toluene-D8 SUR	**93**	88-110	%	1	LMM		1101353	7/7/11	15:52	SW5030B8260B
4-bromofluorobenzene SUR	**91**	86-115	%	1	LMM		1101353	7/7/11	15:52	SW5030B8260B

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21917
Sample#: 21917-004
Sample ID: MW-2
Matrix: Water
Sampled: 7/5/11 13:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
diethyl ether	< 5	5	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
t-butanol (TBA)	< 30	30	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B

Project ID: POLYCLAD 10001086
Job ID: 21917
Sample#: 21917-004
Sample ID: MW-2
Matrix: Water
Sampled: 7/5/11 13:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,3,5-trichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**92**	78-114	%	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
toluene-D8 SUR	**96**	88-110	%	1	LMM		1101353	7/7/11	16:24	SW5030B8260B
4-bromofluorobenzene SUR	**93**	86-115	%	1	LMM		1101353	7/7/11	16:24	SW5030B8260B

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21917
Sample#: 21917-002
Sample ID: CA-2
Matrix: Water
Sampled: 7/5/11 14:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
N-nitrosodimethylamine	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
aniline	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
phenol	< 2	2	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
2-chlorophenol	< 5	5	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
bis(2-chloroethyl)ether	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
1,3-dichlorobenzene	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
1,4-dichlorobenzene	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
1,2-dichlorobenzene	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
benzyl alcohol	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
2-methylphenol	< 2	2	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
bis(2-chloroisopropyl) ether	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
hexachloroethane	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
N-nitroso-di-N-propylamine	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
4-methylphenol	< 2	2	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
nitrobenzene	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
isophorone	< 50	50	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
2-nitrophenol	< 2	2	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
2,4-dimethylphenol	< 2	2	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
bis(2-chloroethoxy)methane	< 50	50	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
2,4-dichlorophenol	< 5	5	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
1,2,4-trichlorobenzene	< 50	50	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
naphthalene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
benzoic acid	< 50	50	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
4-chloroaniline	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
hexachlorobutadiene	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
4-chloro-3-methylphenol	< 2	2	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
2-methylnaphthalene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
hexachlorocyclopentadiene	< 100	100	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
2,4,6-trichlorophenol	< 2	2	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
2,4,5-trichlorophenol	< 2	2	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
2-chloronaphthalene	< 50	50	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
2-nitroaniline	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
acenaphthylene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
dimethylphthalate	< 50	50	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
2,6-dinitrotoluene	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
2,4-dinitrotoluene	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
acenaphthene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
3-nitroaniline	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
2,4-dinitrophenol	< 50	50	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
dibenzofuran	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
4-nitrophenol	< 10	10	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
fluorene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
diethyl phthalate	< 50	50	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D

Project ID: POLYCLAD 10001086
Job ID: 21917
Sample#: 21917-002
Sample ID: CA-2
Matrix: Water
Sampled: 7/5/11 14:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
4-chlorophenyl phenyl ether	< 50	50	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
4-nitroaniline	< 50	50	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
4,6-dinitro-2-methylphenol	< 20	20	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
azobenzene	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
N-nitrosodiphenylamine	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
4-bromophenyl phenyl ether	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
hexachlorobenzene	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
pentachlorophenol	< 10	10	ug/L	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
phenanthrene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
anthracene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
carbazole	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
di-n-butylphthalate	< 50	50	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
fluoranthene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
benzidine	< 300	300	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
pyrene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
butyl benzyl phthalate	< 50	50	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
benzo(a)anthracene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
chrysene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
3,3'-dichlorobenzidine	< 300	300	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
bis(2-ethylhexyl)phthalate	< 50	50	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
di-n-octyl phthalate	< 20	20	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
benzo(b)fluoranthene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
benzo(k)fluoranthene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
benzo(a)pyrene	< 2.0	2.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
indeno(1,2,3-cd)pyrene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
dibenzo(a,h)anthracene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
benzo(g,h,i)perylene	< 5.0	5.0	ug/L	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
Surrogate Recovery		**Limits**								
2-fluorophenol SUR	**31**	21-100	%	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
phenol-D5 SUR	**20**	10-102	%	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
2,4,6-tribromophenol SUR	**70**	10-123	%	1	AJD	7/8/11	4327	7/9/11	17:20	SW3510C8270D
nitrobenzene-D5 SUR	**69**	35-114	%	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
2-fluorobiphenyl SUR	**72**	43-116	%	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D
p-terphenyl-D14 SUR	**72**	33-141	%	10	AJD	7/8/11	4327	7/11/11	12:10	SW3510C8270D

Note: Dilution was necessary due to the high concentrations of non-target compounds.

Project ID: POLYCLAD 10001086
Job ID: 21917
Sample#: 21917-005
Sample ID: SS-3
Matrix: Solid Percent Dry: 85.2% Results expressed on a dry weight basis.
Sampled: 7/5/11 12:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
N-nitrosodimethylamine	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
aniline	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
phenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2-chlorophenol	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
bis(2-chloroethyl)ether	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
1,3-dichlorobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
1,4-dichlorobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
1,2-dichlorobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
benzyl alcohol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2-methylphenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
bis(2-chloroisopropyl) ether	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
hexachloroethane	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
N-nitroso-di-N-propylamine	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
4-methylphenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
nitrobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
isophorone	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2-nitrophenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2,4-dimethylphenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
bis(2-chloroethoxy)methane	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2,4-dichlorophenol	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
1,2,4-trichlorobenzene	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
naphthalene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
benzoic acid	< 6	6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
4-chloroaniline	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
hexachlorobutadiene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
4-chloro-3-methylphenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2-methylnaphthalene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
hexachlorocyclopentadiene	< 1	1	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2,4,6-trichlorophenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2,4,5-trichlorophenol	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2-chloronaphthalene	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2-nitroaniline	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
acenaphthylene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
dimethylphthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2,6-dinitrotoluene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2,4-dinitrotoluene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
acenaphthene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
3-nitroaniline	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2,4-dinitrophenol	< 6	6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
dibenzofuran	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
4-nitrophenol	< 2	2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
fluorene	< 0.06	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
diethyl phthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D

Project ID: POLYCLAD 10001086
Job ID: 21917
Sample#: 21917-005
Sample ID: SS-3
Matrix: Solid Percent Dry: 85.2% Results expressed on a dry weight basis.
Sampled: 7/5/11 12:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
4-chlorophenyl phenyl ether	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
4-nitroaniline	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
4,6-dinitro-2-methylphenol	< 2	2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
azobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
N-nitrosodiphenylamine	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
4-bromophenyl phenyl ether	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
hexachlorobenzene	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
pentachlorophenol	< 1	1	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
phenanthrene	**0.60**	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
anthracene	**0.12**	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
carbazole	< 0.2	0.2	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
di-n-butylphthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
fluoranthene	**1.5**	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
benzidine	< 3	3	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
pyrene	**1.3**	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
butyl benzyl phthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
benzo(a)anthracene	**0.69**	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
chrysene	**0.80**	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
3,3'-dichlorobenzidine	< 3	3	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
bis(2-ethylhexyl)phthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
di-n-octyl phthalate	< 0.6	0.6	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
benzo(b)fluoranthene	**0.82**	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
benzo(k)fluoranthene	**0.68**	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
benzo(a)pyrene	**0.71**	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
indeno(1,2,3-cd)pyrene	**0.34**	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
dibenzo(a,h)anthracene	**0.14**	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
benzo(g,h,i)perylene	**0.36**	0.06	ug/g	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
Surrogate Recovery		**Limits**								
2-fluorophenol SUR	**55**	21-100	%	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
phenol-D5 SUR	**57**	10-102	%	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2,4,6-tribromophenol SUR	**54**	10-123	%	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
nitrobenzene-D5 SUR	**44**	35-114	%	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
2-fluorobiphenyl SUR	**57**	43-116	%	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D
p-terphenyl-D14 SUR	**55**	33-141	%	1	AJD	7/6/11	4314	7/9/11	18:35	SW3546/8270D

Absolute Resource associates

Project ID: POLYCLAD 10001086
Job ID: 21917

Sample#: 21917-002
Sample ID: CA-2
Matrix: Water
Sampled: 7/5/11 14:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	**0.021**	0.008	mg/L	1	BJS	7/7/11	4318	7/7/11	17:18	SW3005A6010C
Barium	**0.13**	0.05	mg/L	1	BJS	7/7/11	4318	7/7/11	17:18	SW3005A6010C
Cadmium	< 0.004	0.004	mg/L	1	BJS	7/7/11	4318	7/7/11	17:18	SW3005A6010C
Chromium	**0.13**	0.05	mg/L	1	BJS	7/7/11	4318	7/7/11	17:18	SW3005A6010C
Copper	**0.23**	0.05	mg/L	1	BJS	7/7/11	4318	7/7/11	17:18	SW3005A6010C
Lead	**0.045**	0.008	mg/L	1	BJS	7/7/11	4318	7/7/11	17:18	SW3005A6010C
Mercury	< 0.0002	0.0002	mg/L	1	BJS	7/12/11	4337	7/12/11	12:52	SW7470A
Nickel	< 0.05	0.05	mg/L	1	BJS	7/7/11	4318	7/7/11	17:18	SW3005A6010C
Selenium	< 0.05	0.05	mg/L	1	BJS	7/7/11	4318	7/7/11	17:18	SW3005A6010C
Silver	< 0.007	0.007	mg/L	1	BJS	7/7/11	4318	7/7/11	17:18	SW3005A6010C
Zinc	**0.12**	0.05	mg/L	1	BJS	7/7/11	4318	7/7/11	17:18	SW3005A6010C

Sample#: 21917-003
Sample ID: CA-3
Matrix: Water
Sampled: 7/5/11 15:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	< 0.008	0.008	mg/L	1	BJS	7/7/11	4318	7/7/11	17:25	SW3005A6010C
Barium	< 0.05	0.05	mg/L	1	BJS	7/7/11	4318	7/7/11	17:25	SW3005A6010C
Cadmium	< 0.004	0.004	mg/L	1	BJS	7/7/11	4318	7/7/11	17:25	SW3005A6010C
Chromium	< 0.05	0.05	mg/L	1	BJS	7/7/11	4318	7/7/11	17:25	SW3005A6010C
Lead	< 0.008	0.008	mg/L	1	BJS	7/7/11	4318	7/7/11	17:25	SW3005A6010C
Mercury	< 0.0002	0.0002	mg/L	1	BJS	7/12/11	4337	7/12/11	12:49	SW7470A
Selenium	< 0.05	0.05	mg/L	1	BJS	7/7/11	4318	7/7/11	17:25	SW3005A6010C
Silver	< 0.007	0.007	mg/L	1	BJS	7/7/11	4318	7/7/11	17:25	SW3005A6010C

Sample#: 21917-004
Sample ID: MW-2
Matrix: Water
Sampled: 7/5/11 13:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Lead	**0.008**	0.008	mg/L	1	BJS	7/7/11	4318	7/7/11	17:32	SW3005A6010C

Quality Control Report

124 Heritage Avenue Unit 10
Portsmouth, NH 03801
www.absoluteresourceassociates.com

Case Narrative
Lab # 21917

Sample Receiving and Chain of Custody Discrepancies

Samples were received in acceptable condition, at 3 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Calibration

No exceptions noted.

Method Blank

VOC: The compound, hexachlorobutadiene, was detected in the BLK1101353 at 0.5ug/L. There is no impact to the data as this analyte was not detected in the associated field samples.

Surrogate Recoveries

No exceptions noted.

Laboratory Control Sample Results

VOC: The LCS1101353 did not meet the acceptance criteria for dichlorodifluoromethane and dibromochloromethane. These compounds are known to be problematic in the method. The LCSD1101353 did not meet the acceptance criteria for bromomethane. This compound showed high recovery. There is no impact to the data as this analyte was not detected in the associated samples.
ABN: The LCS/D4327 did not meet the acceptance criteria for phenol and 4-nitrophenol. These compounds are known to be problematic in the method.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results

Not requested for this project.

Other

ABN: The Base/Neutral portion of the sample extract for 21917-002 required a re-analysis at a dilution due to interferences caused by high concentrations of non-target compounds present in the sample chromatogram.

Reporting Limits: Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

- QC Report -

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW5030B8260B	BLK1101353	dichlorodifluoromethane		<	2	ug/L					
		chloromethane		<	2	ug/L					
		vinyl chloride		<	2	ug/L					
		bromomethane		<	2	ug/L					
		chloroethane		<	2	ug/L					
		trichlorofluoromethane		<	2	ug/L					
		diethyl ether		<	10	ug/L					
		acetone		<	50	ug/L					
		1,1-dichloroethene		<	1	ug/L					
		methylene chloride		<	5	ug/L					
		carbon disulfide		<	2	ug/L					
		methyl t-butyl ether (MTBE)		<	2	ug/L					
		trans-1,2-dichloroethene		<	2	ug/L					
		isopropyl ether (DIPE)		<	2	ug/L					
		ethyl t-butyl ether (ETBE)		<	2	ug/L					
		1,1-dichloroethane		<	2	ug/L					
		t-butanol (TBA)		<	30	ug/L					
		2-butanone (MEK)		<	10	ug/L					
		2,2-dichloropropane		<	2	ug/L					
		cis-1,2-dichloroethene		<	2	ug/L					
		chloroform		<	2	ug/L					
		bromochloromethane		<	2	ug/L					
		tetrahydrofuran (THF)		<	10	ug/L					
		1,1,1-trichloroethane		<	2	ug/L					
		1,1-dichloropropene		<	2	ug/L					
		t-amyl-methyl ether (TAME)		<	2	ug/L					
		carbon tetrachloride		<	2	ug/L					
		1,2-dichloroethane		<	2	ug/L					
		benzene		<	2	ug/L					
		trichloroethene		<	2	ug/L					
		1,2-dichloropropane		<	2	ug/L					
		bromodichloromethane		<	0.6	ug/L					
		1,4-dioxane		<	50	ug/L					
		dibromomethane		<	2	ug/L					
		4-methyl-2-pentanone (MIBK)		<	10	ug/L					
		cis-1,3-dichloropropene		<	2	ug/L					
		toluene		<	2	ug/L					
		trans-1,3-dichloropropene		<	2	ug/L					
		2-hexanone		<	10	ug/L					
		1,1,2-trichloroethane		<	2	ug/L					
		1,3-dichloropropane		<	2	ug/L					
		tetrachloroethene		<	2	ug/L					
		dibromochloromethane		<	2	ug/L					
		1,2-dibromoethane (EDB)		<	2	ug/L					
		chlorobenzene		<	2	ug/L					
		1,1,1,2-tetrachloroethane		<	2	ug/L					
		ethylbenzene		<	2	ug/L					
		m&p-xylenes		<	2	ug/L					
		o-xylene		<	2	ug/L					
		styrene		<	2	ug/L					

Method	QC ID	Parameter	Associated Sample		Result	Units Amt Added	%R	Limits		RPD	RPD Limit
SW5030B8260B	BLK1101353	bromoform		<	2	ug/L					
		isopropylbenzene		<	2	ug/L					
		1,1,2,2-tetrachloroethane		<	2	ug/L					
		1,2,3-trichloropropane		<	2	ug/L					
		n-propylbenzene		<	2	ug/L					
		bromobenzene		<	2	ug/L					
		1,3,5-trimethylbenzene		<	2	ug/L					
		2-chlorotoluene		<	2	ug/L					
		4-chlorotoluene		<	2	ug/L					
		tert-butylbenzene		<	2	ug/L					
		1,2,4-trimethylbenzene		<	2	ug/L					
		sec-butylbenzene		<	2	ug/L					
		1,3-dichlorobenzene		<	2	ug/L					
		4-isopropyltoluene		<	2	ug/L					
		1,4-dichlorobenzene		<	2	ug/L					
		1,2-dichlorobenzene		<	2	ug/L					
		n-butylbenzene		<	2	ug/L					
		1,2-dibromo-3-chloropropane		<	2	ug/L					
		1,2,4-trichlorobenzene		<	2	ug/L					
		1,3,5-trichlorobenzene		<	2	ug/L					
		hexachlorobutadiene			0.5	ug/L					
		naphthalene		<	5	ug/L					
		1,2,3-trichlorobenzene		<	2	ug/L					
		dibromofluoromethane SUR			96	%		78	114		
		toluene-D8 SUR			96	%		88	110		
		4-bromofluorobenzene SUR			94	%		86	115		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW5030B8260B	LCS1101353	dichlorodifluoromethane			14	ug/L	20	68	*	70	130		
		chloromethane			17	ug/L	20	85		70	130		
		vinyl chloride			18	ug/L	20	92		70	130		
		bromomethane			26	ug/L	20	130		70	130		
		chloroethane			19	ug/L	20	93		70	130		
		trichlorofluoromethane			17	ug/L	20	87		70	130		
		diethyl ether			19	ug/L	20	95		70	130		
		acetone		<	50	ug/L	20	98					
		1,1-dichloroethene			15	ug/L	20	77		70	130		
		methylene chloride			18	ug/L	20	91		70	130		
		carbon disulfide			17	ug/L	20	83		70	130		
		methyl t-butyl ether (MTBE)			19	ug/L	20	94		70	130		
		trans-1,2-dichloroethene			17	ug/L	20	85		70	130		
		isopropyl ether (DIPE)			19	ug/L	20	93		70	130		
		ethyl t-butyl ether (ETBE)			19	ug/L	20	93		70	130		
		1,1-dichloroethane			18	ug/L	20	88		70	130		
		t-butanol (TBA)			100	ug/L	100	103		70	130		
		2-butanone (MEK)			17	ug/L	20	85		70	130		
		2,2-dichloropropane			15	ug/L	20	75		70	130		
		cis-1,2-dichloroethene			19	ug/L	20	94		70	130		
		chloroform			19	ug/L	20	94		70	130		
		bromochloromethane			19	ug/L	20	96		70	130		
		tetrahydrofuran (THF)			19	ug/L	20	93		70	130		
		1,1,1-trichloroethane			17	ug/L	20	86		70	130		
		1,1-dichloropropene			19	ug/L	20	97		70	130		
		t-amyl-methyl ether (TAME)			18	ug/L	20	91		70	130		
		carbon tetrachloride			16	ug/L	20	82		70	130		
		1,2-dichloroethane			19	ug/L	20	95		70	130		
		benzene			19	ug/L	20	97		70	130		
		trichloroethene			19	ug/L	20	93		70	130		
		1,2-dichloropropane			19	ug/L	20	96		70	130		
		bromodichloromethane			17	ug/L	20	85		70	130		
		1,4-dioxane		<	50	ug/L	40	106		70	130		
		dibromomethane			19	ug/L	20	93		70	130		
		4-methyl-2-pentanone (MIBK)			17	ug/L	20	84		70	130		
		cis-1,3-dichloropropene			17	ug/L	20	85		70	130		
		toluene			19	ug/L	20	95		70	130		
		trans-1,3-dichloropropene			18	ug/L	20	89		70	130		
		2-hexanone			16	ug/L	20	80		70	130		
		1,1,2-trichloroethane			19	ug/L	20	95		70	130		
		1,3-dichloropropane			18	ug/L	20	90		70	130		
		tetrachloroethene			20	ug/L	20	100		70	130		
		dibromochloromethane			14	ug/L	20	69	*	70	130		
		1,2-dibromoethane (EDB)			17	ug/L	20	87		70	130		
		chlorobenzene			19	ug/L	20	97		70	130		
		1,1,1,2-tetrachloroethane			16	ug/L	20	79		70	130		
		ethylbenzene			18	ug/L	20	89		70	130		
		m&p-xylenes			40	ug/L	40	99		70	130		
		o-xylene			21	ug/L	20	105		70	130		
		styrene			18	ug/L	20	89		70	130		
		bromoform			16	ug/L	20	82		70	130		

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW5030B8260B	LCS1101353	isopropylbenzene		19	ug/L	20	97	70	130		
		1,1,2,2-tetrachloroethane		21	ug/L	20	105	70	130		
		1,2,3-trichloropropane		20	ug/L	20	98	70	130		
		n-propylbenzene		21	ug/L	20	106	70	130		
		bromobenzene		20	ug/L	20	98	70	130		
		1,3,5-trimethylbenzene		20	ug/L	20	101	70	130		
		2-chlorotoluene		21	ug/L	20	106	70	130		
		4-chlorotoluene		21	ug/L	20	103	70	130		
		tert-butylbenzene		20	ug/L	20	102	70	130		
		1,2,4-trimethylbenzene		21	ug/L	20	103	70	130		
		sec-butylbenzene		21	ug/L	20	106	70	130		
		1,3-dichlorobenzene		21	ug/L	20	107	70	130		
		4-isopropyltoluene		21	ug/L	20	105	70	130		
		1,4-dichlorobenzene		20	ug/L	20	98	70	130		
		1,2-dichlorobenzene		21	ug/L	20	103	70	130		
		n-butylbenzene		20	ug/L	20	102	70	130		
		1,2-dibromo-3-chloropropane		14	ug/L	20	70	70	130		
		1,2,4-trichlorobenzene		18	ug/L	20	91	70	130		
		1,3,5-trichlorobenzene		19	ug/L	20	96	70	130		
		hexachlorobutadiene		20	ug/L	20	101	70	130		
		naphthalene		19	ug/L	20	97	70	130		
		1,2,3-trichlorobenzene		20	ug/L	20	100	70	130		
		dibromofluoromethane SUR		92	%			78	114		
		toluene-D8 SUR		96	%			88	110		
		4-bromofluorobenzene SUR		100	%			86	115		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW5030B8260B	LCSD1101353	dichlorodifluoromethane			14	ug/L	20	70		70	130	2	20
		chloromethane			17	ug/L	20	87		70	130	2	20
		vinyl chloride			19	ug/L	20	96		70	130	4	20
		bromomethane			26	ug/L	20	131	*	70	130	1	20
		chloroethane			19	ug/L	20	94		70	130	2	20
		trichlorofluoromethane			18	ug/L	20	91		70	130	4	20
		diethyl ether			20	ug/L	20	99		70	130	5	20
		acetone		<	50	ug/L	20	97				1	20
		1,1-dichloroethene			16	ug/L	20	82		70	130	6	20
		methylene chloride			18	ug/L	20	91		70	130	0	20
		carbon disulfide			17	ug/L	20	87		70	130	4	20
		methyl t-butyl ether (MTBE)			19	ug/L	20	97		70	130	3	20
		trans-1,2-dichloroethene			17	ug/L	20	86		70	130	1	20
		isopropyl ether (DIPE)			20	ug/L	20	99		70	130	6	20
		ethyl t-butyl ether (ETBE)			19	ug/L	20	95		70	130	2	20
		1,1-dichloroethane			18	ug/L	20	91		70	130	3	20
		t-butanol (TBA)			110	ug/L	100	110		70	130	7	20
		2-butanone (MEK)			18	ug/L	20	92		70	130	9	20
		2,2-dichloropropane			15	ug/L	20	76		70	130	1	20
		cis-1,2-dichloroethene			19	ug/L	20	95		70	130	1	20
		chloroform			20	ug/L	20	98		70	130	4	20
		bromochloromethane			20	ug/L	20	99		70	130	2	20
		tetrahydrofuran (THF)			20	ug/L	20	100		70	130	7	20
		1,1,1-trichloroethane			18	ug/L	20	92		70	130	7	20
		1,1-dichloropropene			20	ug/L	20	100		70	130	3	20
		t-amyl-methyl ether (TAME)			19	ug/L	20	94		70	130	3	20
		carbon tetrachloride			18	ug/L	20	91		70	130	10	20
		1,2-dichloroethane			20	ug/L	20	98		70	130	3	20
		benzene			20	ug/L	20	100		70	130	3	20
		trichloroethene			19	ug/L	20	93		70	130	0	20
		1,2-dichloropropane			20	ug/L	20	100		70	130	3	20
		bromodichloromethane			19	ug/L	20	93		70	130	8	20
		1,4-dioxane		<	50	ug/L	40	121		70	130	13	20
		dibromomethane			19	ug/L	20	97		70	130	4	20
		4-methyl-2-pentanone (MIBK)			18	ug/L	20	92		70	130	9	20
		cis-1,3-dichloropropene			18	ug/L	20	88		70	130	4	20
		toluene			20	ug/L	20	99		70	130	4	20
		trans-1,3-dichloropropene			19	ug/L	20	94		70	130	6	20
		2-hexanone			17	ug/L	20	84		70	130	5	20
		1,1,2-trichloroethane			20	ug/L	20	98		70	130	3	20
		1,3-dichloropropane			18	ug/L	20	92		70	130	3	20
		tetrachloroethene			20	ug/L	20	99		70	130	1	20
		dibromochloromethane			15	ug/L	20	76		70	130	10	20
		1,2-dibromoethane (EDB)			18	ug/L	20	88		70	130	2	20
		chlorobenzene			20	ug/L	20	100		70	130	2	20
		1,1,1,2-tetrachloroethane			17	ug/L	20	84		70	130	7	20
		ethylbenzene			18	ug/L	20	90		70	130	1	20
		m&p-xylenes			40	ug/L	40	101		70	130	1	20
		o-xylene			21	ug/L	20	105		70	130	0	20
		styrene			18	ug/L	20	92		70	130	3	20
		bromoform			18	ug/L	20	88		70	130	7	20

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW5030B8260B	LCSD1101353	isopropylbenzene		19	ug/L	20	97	70	130	1	20
		1,1,2,2-tetrachloroethane		22	ug/L	20	108	70	130	3	20
		1,2,3-trichloropropane		20	ug/L	20	99	70	130	1	20
		n-propylbenzene		21	ug/L	20	106	70	130	0	20
		bromobenzene		20	ug/L	20	100	70	130	2	20
		1,3,5-trimethylbenzene		20	ug/L	20	101	70	130	0	20
		2-chlorotoluene		21	ug/L	20	106	70	130	0	20
		4-chlorotoluene		21	ug/L	20	103	70	130	0	20
		tert-butylbenzene		21	ug/L	20	105	70	130	3	20
		1,2,4-trimethylbenzene		21	ug/L	20	103	70	130	0	20
		sec-butylbenzene		21	ug/L	20	105	70	130	1	20
		1,3-dichlorobenzene		22	ug/L	20	108	70	130	1	20
		4-isopropyltoluene		21	ug/L	20	105	70	130	0	20
		1,4-dichlorobenzene		20	ug/L	20	100	70	130	2	20
		1,2-dichlorobenzene		21	ug/L	20	104	70	130	1	20
		n-butylbenzene		20	ug/L	20	101	70	130	1	20
		1,2-dibromo-3-chloropropane		16	ug/L	20	82	70	130	15	20
		1,2,4-trichlorobenzene		19	ug/L	20	93	70	130	2	20
		1,3,5-trichlorobenzene		19	ug/L	20	95	70	130	1	20
		hexachlorobutadiene		20	ug/L	20	98	70	130	3	20
		naphthalene		20	ug/L	20	101	70	130	5	20
		1,2,3-trichlorobenzene		21	ug/L	20	103	70	130	3	20
		dibromofluoromethane SUR		94	%			78	114		
		toluene-D8 SUR		95	%			88	110		
		4-bromofluorobenzene SUR		104	%			86	115		

Method	QC ID	Parameter	Associated Sample		Result	Units Amt Added	%R	Limits	RPD	RPD Limit
SW3510C8270D	BLK4327	N-nitrosodimethylamine		<	2	ug/L				
		aniline		<	2	ug/L				
		phenol		<	2	ug/L				
		2-chlorophenol		<	5	ug/L				
		bis(2-chloroethyl)ether		<	2	ug/L				
		1,3-dichlorobenzene		<	2	ug/L				
		1,4-dichlorobenzene		<	2	ug/L				
		1,2-dichlorobenzene		<	2	ug/L				
		benzyl alcohol		<	2	ug/L				
		2-methylphenol		<	2	ug/L				
		bis(2-chloroisopropyl) ether		<	2	ug/L				
		hexachloroethane		<	2	ug/L				
		N-nitroso-di-N-propylamine		<	2	ug/L				
		4-methylphenol		<	2	ug/L				
		nitrobenzene		<	2	ug/L				
		isophorone		<	5	ug/L				
		2-nitrophenol		<	2	ug/L				
		2,4-dimethylphenol		<	2	ug/L				
		bis(2-chloroethoxy)methane		<	5	ug/L				
		2,4-dichlorophenol		<	5	ug/L				
		1,2,4-trichlorobenzene		<	5	ug/L				
		naphthalene		<	0.5	ug/L				
		benzoic acid		<	50	ug/L				
		4-chloroaniline		<	2	ug/L				
		hexachlorobutadiene		<	2	ug/L				
		4-chloro-3-methylphenol		<	2	ug/L				
		2-methylnaphthalene		<	0.5	ug/L				
		hexachlorocyclopentadiene		<	10	ug/L				
		2,4,6-trichlorophenol		<	2	ug/L				
		2,4,5-trichlorophenol		<	2	ug/L				
		2-chloronaphthalene		<	5	ug/L				
		2-nitroaniline		<	2	ug/L				
		acenaphthylene		<	0.5	ug/L				
		dimethylphthalate		<	5	ug/L				
		2,6-dinitrotoluene		<	2	ug/L				
		2,4-dinitrotoluene		<	2	ug/L				
		acenaphthene		<	0.5	ug/L				
		3-nitroaniline		<	2	ug/L				
		2,4-dinitrophenol		<	50	ug/L				
		dibenzofuran		<	0.5	ug/L				
		4-nitrophenol		<	10	ug/L				
		fluorene		<	0.5	ug/L				
		diethyl phthalate		<	5	ug/L				
		4-chlorophenyl phenyl ether		<	5	ug/L				
		4-nitroaniline		<	5	ug/L				
		4,6-dinitro-2-methylphenol		<	20	ug/L				
		azobenzene		<	2	ug/L				
		N-nitrosodiphenylamine		<	2	ug/L				
		4-bromophenyl phenyl ether		<	2	ug/L				
		hexachlorobenzene		<	2	ug/L				
		pentachlorophenol		<	10	ug/L				

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3510C8270D	BLK4327	phenanthrene		<	0.5	ug/L						
		anthracene		<	0.5	ug/L						
		carbazole		<	2	ug/L						
		di-n-butylphthalate		<	5	ug/L						
		fluoranthene		<	0.5	ug/L						
		benzidine		<	30	ug/L						
		pyrene		<	0.5	ug/L						
		butyl benzyl phthalate		<	5	ug/L						
		benzo(a)anthracene		<	0.5	ug/L						
		chrysene		<	0.5	ug/L						
		3,3'-dichlorobenzidine		<	30	ug/L						
		bis(2-ethylhexyl)phthalate		<	5	ug/L						
		di-n-octyl phthalate		<	2	ug/L						
		benzo(b)fluoranthene		<	0.5	ug/L						
		benzo(k)fluoranthene		<	0.5	ug/L						
		benzo(a)pyrene		<	0.2	ug/L						
		indeno(1,2,3-cd)pyrene		<	0.5	ug/L						
		dibenzo(a,h)anthracene		<	0.5	ug/L						
		benzo(g,h,i)perylene		<	0.5	ug/L						
		2-fluorophenol SUR			30	%			21	100		
		phenol-D5 SUR			19	%			10	102		
		2,4,6-tribromophenol SUR			54	%			10	123		
		nitrobenzene-D5 SUR			61	%			35	114		
		2-fluorobiphenyl SUR			73	%			43	116		
		p-terphenyl-D14 SUR			75	%			33	141		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW3510C8270D	LCS4327	N-nitrosodimethylamine		<	2	ug/L							
		aniline		<	2	ug/L							
		phenol			22	ug/L	100	22	*	30	130		
		2-chlorophenol			64	ug/L	100	64		30	130		
		bis(2-chloroethyl)ether		<	2	ug/L							
		1,3-dichlorobenzene		<	2	ug/L							
		1,4-dichlorobenzene		<	2	ug/L							
		1,2-dichlorobenzene		<	2	ug/L							
		benzyl alcohol		<	2	ug/L							
		2-methylphenol		<	2	ug/L							
		bis(2-chloroisopropyl) ether		<	2	ug/L							
		hexachloroethane		<	2	ug/L							
		N-nitroso-di-N-propylamine		<	2	ug/L							
		4-methylphenol		<	2	ug/L							
		nitrobenzene		<	2	ug/L							
		isophorone		<	5	ug/L							
		2-nitrophenol		<	2	ug/L							
		2,4-dimethylphenol		<	2	ug/L							
		bis(2-chloroethoxy)methane		<	5	ug/L							
		2,4-dichlorophenol		<	5	ug/L							
		1,2,4-trichlorobenzene		<	5	ug/L							
		naphthalene			26	ug/L	40	65		40	140		
		benzoic acid		<	50	ug/L							
		4-chloroaniline		<	2	ug/L							
		hexachlorobutadiene		<	2	ug/L							
		4-chloro-3-methylphenol			64	ug/L	100	64		30	130		
		2-methylnaphthalene			26	ug/L	40	65		40	140		
		hexachlorocyclopentadiene		<	10	ug/L							
		2,4,6-trichlorophenol		<	2	ug/L							
		2,4,5-trichlorophenol		<	2	ug/L							
		2-chloronaphthalene		<	5	ug/L							
		2-nitroaniline		<	2	ug/L							
		acenaphthylene			28	ug/L	40	70		40	140		
		dimethylphthalate		<	5	ug/L							
		2,6-dinitrotoluene		<	2	ug/L							
		2,4-dinitrotoluene		<	2	ug/L							
		acenaphthene			27	ug/L							
		3-nitroaniline		<	2	ug/L							
		2,4-dinitrophenol		<	50	ug/L							
		dibenzofuran		<	0.5	ug/L							
		4-nitrophenol			21	ug/L	100	21	*	30	130		
		fluorene			29	ug/L	40	73		40	140		
		diethyl phthalate		<	5	ug/L							
		4-chlorophenyl phenyl ether		<	5	ug/L							
		4-nitroaniline		<	5	ug/L							
		4,6-dinitro-2-methylphenol		<	20	ug/L							
		azobenzene		<	2	ug/L							
		N-nitrosodiphenylamine		<	2	ug/L							
		4-bromophenyl phenyl ether		<	2	ug/L							
		hexachlorobenzene		<	2	ug/L							
		pentachlorophenol			49	ug/L	100	49		30	130		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3510C8270D	LCS4327	phenanthrene			27	ug/L	40	66	40	140		
		anthracene			27	ug/L	40	68	40	140		
		carbazole		<	2	ug/L						
		di-n-butylphthalate		<	5	ug/L						
		fluoranthene			29	ug/L	40	73	40	140		
		benzidine		<	30	ug/L						
		pyrene			32	ug/L	40	80	40	140		
		butyl benzyl phthalate		<	5	ug/L						
		benzo(a)anthracene			29	ug/L	40	73	40	140		
		chrysene			30	ug/L	40	74	40	140		
		3,3'-dichlorobenzidine		<	30	ug/L						
		bis(2-ethylhexyl)phthalate		<	5	ug/L						
		di-n-octyl phthalate		<	2	ug/L						
		benzo(b)fluoranthene			29	ug/L	40	71	40	140		
		benzo(k)fluoranthene			30	ug/L	40	76	40	140		
		benzo(a)pyrene			30	ug/L	40	75	40	140		
		indeno(1,2,3-cd)pyrene			28	ug/L	40	71	40	140		
		dibenzo(a,h)anthracene			28	ug/L	40	70	40	140		
		benzo(g,h,i)perylene			28	ug/L	40	71	40	140		
		2-fluorophenol SUR			34	%			21	100		
		phenol-D5 SUR			23	%			10	102		
		2,4,6-tribromophenol SUR			64	%			10	123		
		nitrobenzene-D5 SUR			68	%			35	114		
		2-fluorobiphenyl SUR			78	%			43	116		
		p-terphenyl-D14 SUR			80	%			33	141		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW3510C8270D	LCSD4327	N-nitrosodimethylamine		<	2	ug/L							
		aniline		<	2	ug/L							
		phenol			21	ug/L	100	21	*	30	130	5	20
		2-chlorophenol			64	ug/L	100	64		30	130	0	20
		bis(2-chloroethyl)ether		<	2	ug/L							
		1,3-dichlorobenzene		<	2	ug/L							
		1,4-dichlorobenzene		<	2	ug/L							
		1,2-dichlorobenzene		<	2	ug/L							
		benzyl alcohol		<	2	ug/L							
		2-methylphenol		<	2	ug/L							
		bis(2-chloroisopropyl) ether		<	2	ug/L							
		hexachloroethane		<	2	ug/L							
		N-nitroso-di-N-propylamine		<	2	ug/L							
		4-methylphenol		<	2	ug/L							
		nitrobenzene		<	2	ug/L							
		isophorone		<	5	ug/L							
		2-nitrophenol		<	2	ug/L							
		2,4-dimethylphenol		<	2	ug/L							
		bis(2-chloroethoxy)methane		<	5	ug/L							
		2,4-dichlorophenol		<	5	ug/L							
		1,2,4-trichlorobenzene		<	5	ug/L							
		naphthalene			26	ug/L	40	64		40	140	1	20
		benzoic acid		<	50	ug/L							
		4-chloroaniline		<	2	ug/L							
		hexachlorobutadiene		<	2	ug/L							
		4-chloro-3-methylphenol			63	ug/L	100	63		30	130	0	20
		2-methylnaphthalene			25	ug/L	40	64		40	140	3	20
		hexachlorocyclopentadiene		<	10	ug/L							
		2,4,6-trichlorophenol		<	2	ug/L							
		2,4,5-trichlorophenol		<	2	ug/L							
		2-chloronaphthalene		<	5	ug/L							
		2-nitroaniline		<	2	ug/L							
		acenaphthylene			28	ug/L	40	70		40	140	0	20
		dimethylphthalate		<	5	ug/L							
		2,6-dinitrotoluene		<	2	ug/L							
		2,4-dinitrotoluene		<	2	ug/L							
		acenaphthene			27	ug/L							
		3-nitroaniline		<	2	ug/L							
		2,4-dinitrophenol		<	50	ug/L							
		dibenzofuran		<	0.5	ug/L							
		4-nitrophenol			19	ug/L	100	19	*	30	130	7	20
		fluorene			28	ug/L	40	70		40	140	3	20
		diethyl phthalate		<	5	ug/L							
		4-chlorophenyl phenyl ether		<	5	ug/L							
		4-nitroaniline		<	5	ug/L							
		4,6-dinitro-2-methylphenol		<	20	ug/L							
		azobenzene		<	2	ug/L							
		N-nitrosodiphenylamine		<	2	ug/L							
		4-bromophenyl phenyl ether		<	2	ug/L							
		hexachlorobenzene		<	2	ug/L							
		pentachlorophenol			51	ug/L	100	51		30	130	5	20

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3510C8270D	LCSD4327	phenanthrene			26	ug/L	40	66	40	140	1	20
		anthracene			28	ug/L	40	69	40	140	2	20
		carbazole		<	2	ug/L						
		di-n-butylphthalate		<	5	ug/L						
		fluoranthene			29	ug/L	40	71	40	140	2	20
		benzidine		<	30	ug/L						
		pyrene			32	ug/L	40	81	40	140	1	20
		butyl benzyl phthalate		<	5	ug/L						
		benzo(a)anthracene			29	ug/L	40	73	40	140	0	20
		chrysene			29	ug/L	40	74	40	140	1	20
		3,3'-dichlorobenzidine		<	30	ug/L						
		bis(2-ethylhexyl)phthalate		<	5	ug/L						
		di-n-octyl phthalate		<	2	ug/L						
		benzo(b)fluoranthene			29	ug/L	40	71	40	140	0	20
		benzo(k)fluoranthene			29	ug/L	40	73	40	140	4	20
		benzo(a)pyrene			29	ug/L	40	73	40	140	3	20
		indeno(1,2,3-cd)pyrene			28	ug/L	40	70	40	140	1	20
		dibenzo(a,h)anthracene			28	ug/L	40	70	40	140	1	20
		benzo(g,h,i)perylene			28	ug/L	40	70	40	140	1	20
		2-fluorophenol SUR			34	%			21	100		
		phenol-D5 SUR			22	%			10	102		
		2,4,6-tribromophenol SUR			66	%			10	123		
		nitrobenzene-D5 SUR			66	%			35	114		
		2-fluorobiphenyl SUR			71	%			43	116		
		p-terphenyl-D14 SUR			80	%			33	141		

Method	QC ID	Parameter	Associated Sample		Result	Units Amt Added	%R	Limits	RPD	RPD Limit
SW3546/8270D	BLK4314	N-nitrosodimethylamine		<	0.2	ug/g				
		aniline		<	0.2	ug/g				
		phenol		<	0.2	ug/g				
		2-chlorophenol		<	0.5	ug/g				
		bis(2-chloroethyl)ether		<	0.2	ug/g				
		1,3-dichlorobenzene		<	0.2	ug/g				
		1,4-dichlorobenzene		<	0.2	ug/g				
		1,2-dichlorobenzene		<	0.2	ug/g				
		benzyl alcohol		<	0.2	ug/g				
		2-methylphenol		<	0.2	ug/g				
		bis(2-chloroisopropyl) ether		<	0.2	ug/g				
		hexachloroethane		<	0.2	ug/g				
		N-nitroso-di-N-propylamine		<	0.2	ug/g				
		4-methylphenol		<	0.2	ug/g				
		nitrobenzene		<	0.2	ug/g				
		isophorone		<	0.5	ug/g				
		2-nitrophenol		<	0.2	ug/g				
		2,4-dimethylphenol		<	0.2	ug/g				
		bis(2-chloroethoxy)methane		<	0.5	ug/g				
		2,4-dichlorophenol		<	0.5	ug/g				
		1,2,4-trichlorobenzene		<	0.5	ug/g				
		naphthalene		<	0.05	ug/g				
		benzoic acid		<	5.0	ug/g				
		4-chloroaniline		<	0.2	ug/g				
		hexachlorobutadiene		<	0.2	ug/g				
		4-chloro-3-methylphenol		<	0.2	ug/g				
		2-methylnaphthalene		<	0.05	ug/g				
		hexachlorocyclopentadiene		<	1.0	ug/g				
		2,4,6-trichlorophenol		<	0.2	ug/g				
		2,4,5-trichlorophenol		<	0.2	ug/g				
		2-chloronaphthalene		<	0.5	ug/g				
		2-nitroaniline		<	0.2	ug/g				
		acenaphthylene		<	0.05	ug/g				
		dimethylphthalate		<	0.5	ug/g				
		2,6-dinitrotoluene		<	0.2	ug/g				
		2,4-dinitrotoluene		<	0.2	ug/g				
		acenaphthene		<	0.05	ug/g				
		3-nitroaniline		<	0.2	ug/g				
		2,4-dinitrophenol		<	5.0	ug/g				
		dibenzofuran		<	0.05	ug/g				
		4-nitrophenol		<	1.0	ug/g				
		fluorene		<	0.05	ug/g				
		diethyl phthalate		<	0.5	ug/g				
		4-chlorophenyl phenyl ether		<	0.5	ug/g				
		4-nitroaniline		<	0.5	ug/g				
		4,6-dinitro-2-methylphenol		<	2.0	ug/g				
		azobenzene		<	0.2	ug/g				
		N-nitrosodiphenylamine		<	0.2	ug/g				
		4-bromophenyl phenyl ether		<	0.2	ug/g				
		hexachlorobenzene		<	0.2	ug/g				
		pentachlorophenol		<	1.0	ug/g				

Method	QC ID	Parameter	Associated Sample		Result	Units Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8270D	BLK4314	phenanthrene		<	0.05	ug/g					
		anthracene		<	0.05	ug/g					
		carbazole		<	0.2	ug/g					
		di-n-butylphthalate		<	0.5	ug/g					
		fluoranthene		<	0.05	ug/g					
		benzidine		<	3.0	ug/g					
		pyrene		<	0.05	ug/g					
		butyl benzyl phthalate		<	0.5	ug/g					
		benzo(a)anthracene		<	0.05	ug/g					
		chrysene		<	0.05	ug/g					
		3,3'-dichlorobenzidine		<	3.0	ug/g					
		bis(2-ethylhexyl)phthalate		<	0.5	ug/g					
		di-n-octyl phthalate		<	0.2	ug/g					
		benzo(b)fluoranthene		<	0.05	ug/g					
		benzo(k)fluoranthene		<	0.05	ug/g					
		benzo(a)pyrene		<	0.02	ug/g					
		indeno(1,2,3-cd)pyrene		<	0.05	ug/g					
		dibenzo(a,h)anthracene		<	0.05	ug/g					
		benzo(g,h,i)perylene		<	0.05	ug/g					
		2-fluorophenol SUR			43	%		21	100		
		phenol-D5 SUR			46	%		10	102		
		2,4,6-tribromophenol SUR			40	%		10	123		
		nitrobenzene-D5 SUR			38	%		35	114		
		2-fluorobiphenyl SUR			49	%		43	116		
		p-terphenyl-D14 SUR			66	%		33	141		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8270D	LCS4314	N-nitrosodimethylamine		<	0.2	ug/g						
		aniline		<	0.2	ug/g						
		phenol			5.6	ug/g	10	56	30	130		
		2-chlorophenol			6.5	ug/g	10	65	30	130		
		bis(2-chloroethyl)ether		<	0.2	ug/g						
		1,3-dichlorobenzene		<	0.2	ug/g						
		1,4-dichlorobenzene		<	0.2	ug/g						
		1,2-dichlorobenzene		<	0.2	ug/g						
		benzyl alcohol		<	0.2	ug/g						
		2-methylphenol		<	0.2	ug/g						
		bis(2-chloroisopropyl) ether		<	0.2	ug/g						
		hexachloroethane		<	0.2	ug/g						
		N-nitroso-di-N-propylamine		<	0.2	ug/g						
		4-methylphenol		<	0.2	ug/g						
		nitrobenzene		<	0.2	ug/g						
		isophorone		<	0.5	ug/g						
		2-nitrophenol		<	0.2	ug/g						
		2,4-dimethylphenol		<	0.2	ug/g						
		bis(2-chloroethoxy)methane		<	0.5	ug/g						
		2,4-dichlorophenol		<	0.5	ug/g						
		1,2,4-trichlorobenzene		<	0.5	ug/g						
		naphthalene			2.4	ug/g	4	59	40	140		
		benzoic acid		<	5.0	ug/g						
		4-chloroaniline		<	0.2	ug/g						
		hexachlorobutadiene		<	0.2	ug/g						
		4-chloro-3-methylphenol			6.6	ug/g	10	66	30	130		
		2-methylnaphthalene			2.45	ug/g	4	61	40	140		
		hexachlorocyclopentadiene		<	1.0	ug/g						
		2,4,6-trichlorophenol		<	0.2	ug/g						
		2,4,5-trichlorophenol		<	0.2	ug/g						
		2-chloronaphthalene		<	0.5	ug/g						
		2-nitroaniline		<	0.2	ug/g						
		acenaphthylene			2.9	ug/g	4	72	40	140		
		dimethylphthalate		<	0.5	ug/g						
		2,6-dinitrotoluene		<	0.2	ug/g						
		2,4-dinitrotoluene		<	0.2	ug/g						
		acenaphthene			2.8	ug/g						
		3-nitroaniline		<	0.2	ug/g						
		2,4-dinitrophenol		<	5.0	ug/g						
		dibenzofuran		<	0.05	ug/g						
		4-nitrophenol			6.4	ug/g	10	64	30	130		
		fluorene			3.0	ug/g	4	76	40	140		
		diethyl phthalate		<	0.5	ug/g						
		4-chlorophenyl phenyl ether		<	0.5	ug/g						
		4-nitroaniline		<	0.5	ug/g						
		4,6-dinitro-2-methylphenol		<	2.0	ug/g						
		azobenzene		<	0.2	ug/g						
		N-nitrosodiphenylamine		<	0.2	ug/g						
		4-bromophenyl phenyl ether		<	0.2	ug/g						
		hexachlorobenzene		<	0.2	ug/g						
		pentachlorophenol			4.3	ug/g	10	43	30	130		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8270D	LCS4314	phenanthrene			2.9	ug/g	4	72	40	140		
		anthracene			3.0	ug/g	4	75	40	140		
		carbazole		<	0.2	ug/g						
		di-n-butylphthalate		<	0.5	ug/g						
		fluoranthene			3.3	ug/g	4	81	40	140		
		benzidine		<	3.0	ug/g						
		pyrene			3.5	ug/g	4	87	40	140		
		butyl benzyl phthalate		<	0.5	ug/g						
		benzo(a)anthracene			3.3	ug/g	4	82	40	140		
		chrysene			3.3	ug/g	4	82	40	140		
		3,3'-dichlorobenzidine		<	3.0	ug/g						
		bis(2-ethylhexyl)phthalate		<	0.5	ug/g						
		di-n-octyl phthalate		<	0.2	ug/g						
		benzo(b)fluoranthene			3.4	ug/g	4	85	40	140		
		benzo(k)fluoranthene			3.0	ug/g	4	76	40	140		
		benzo(a)pyrene			3.3	ug/g	4	82	40	140		
		indeno(1,2,3-cd)pyrene			3.2	ug/g	4	81	40	140		
		dibenzo(a,h)anthracene			3.2	ug/g	4	79	40	140		
		benzo(g,h,i)perylene			3.2	ug/g	4	79	40	140		
		2-fluorophenol SUR			53	%			21	100		
		phenol-D5 SUR			57	%			10	102		
		2,4,6-tribromophenol SUR			52	%			10	123		
		nitrobenzene-D5 SUR			50	%			35	114		
		2-fluorobiphenyl SUR			64	%			43	116		
		p-terphenyl-D14 SUR			71	%			33	141		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8270D	LCSD4314	N-nitrosodimethylamine		<	0.2	ug/g						
		aniline		<	0.2	ug/g						
		phenol			5.4	ug/g	10	54	30	130	4	30
		2-chlorophenol			5.9	ug/g	10	59	30	130	9	30
		bis(2-chloroethyl)ether		<	0.2	ug/g						
		1,3-dichlorobenzene		<	0.2	ug/g						
		1,4-dichlorobenzene		<	0.2	ug/g						
		1,2-dichlorobenzene		<	0.2	ug/g						
		benzyl alcohol		<	0.2	ug/g						
		2-methylphenol		<	0.2	ug/g						
		bis(2-chloroisopropyl) ether		<	0.2	ug/g						
		hexachloroethane		<	0.2	ug/g						
		N-nitroso-di-N-propylamine		<	0.2	ug/g						
		4-methylphenol		<	0.2	ug/g						
		nitrobenzene		<	0.2	ug/g						
		isophorone		<	0.5	ug/g						
		2-nitrophenol		<	0.2	ug/g						
		2,4-dimethylphenol		<	0.2	ug/g						
		bis(2-chloroethoxy)methane		<	0.5	ug/g						
		2,4-dichlorophenol		<	0.5	ug/g						
		1,2,4-trichlorobenzene		<	0.5	ug/g						
		naphthalene			2.2	ug/g	4	56	40	140	6	30
		benzoic acid		<	5.0	ug/g						
		4-chloroaniline		<	0.2	ug/g						
		hexachlorobutadiene		<	0.2	ug/g						
		4-chloro-3-methylphenol			6.4	ug/g	10	64	30	130	2	30
		2-methylnaphthalene			2.32	ug/g	4	58	40	140	5	30
		hexachlorocyclopentadiene		<	1.0	ug/g						
		2,4,6-trichlorophenol		<	0.2	ug/g						
		2,4,5-trichlorophenol		<	0.2	ug/g						
		2-chloronaphthalene		<	0.5	ug/g						
		2-nitroaniline		<	0.2	ug/g						
		acenaphthylene			2.9	ug/g	4	72	40	140	0	30
		dimethylphthalate		<	0.5	ug/g						
		2,6-dinitrotoluene		<	0.2	ug/g						
		2,4-dinitrotoluene		<	0.2	ug/g						
		acenaphthene			2.7	ug/g						
		3-nitroaniline		<	0.2	ug/g						
		2,4-dinitrophenol		<	5.0	ug/g						
		dibenzofuran		<	0.05	ug/g						
		4-nitrophenol			6.2	ug/g	10	62	30	130	3	30
		fluorene			3.0	ug/g	4	75	40	140	1	30
		diethyl phthalate		<	0.5	ug/g						
		4-chlorophenyl phenyl ether		<	0.5	ug/g						
		4-nitroaniline		<	0.5	ug/g						
		4,6-dinitro-2-methylphenol		<	2.0	ug/g						
		azobenzene		<	0.2	ug/g						
		N-nitrosodiphenylamine		<	0.2	ug/g						
		4-bromophenyl phenyl ether		<	0.2	ug/g						
		hexachlorobenzene		<	0.2	ug/g						
		pentachlorophenol			3.6	ug/g	10	36	30	130	17	30

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3546/8270D	LCSD4314	phenanthrene			2.9	ug/g	4	72	40	140	0	30
		anthracene			3.0	ug/g	4	76	40	140	0	30
		carbazole		<	0.2	ug/g						
		di-n-butylphthalate		<	0.5	ug/g						
		fluoranthene			3.4	ug/g	4	84	40	140	3	30
		benzidine		<	3.0	ug/g						
		pyrene			3.5	ug/g	4	88	40	140	2	30
		butyl benzyl phthalate		<	0.5	ug/g						
		benzo(a)anthracene			3.4	ug/g	4	84	40	140	2	30
		chrysene			3.4	ug/g	4	84	40	140	2	30
		3,3'-dichlorobenzidine		<	3.0	ug/g						
		bis(2-ethylhexyl)phthalate		<	0.5	ug/g						
		di-n-octyl phthalate		<	0.2	ug/g						
		benzo(b)fluoranthene			3.5	ug/g	4	87	40	140	3	30
		benzo(k)fluoranthene			3.2	ug/g	4	80	40	140	5	30
		benzo(a)pyrene			3.3	ug/g	4	84	40	140	1	30
		indeno(1,2,3-cd)pyrene			3.2	ug/g	4	81	40	140	0	30
		dibenzo(a,h)anthracene			3.2	ug/g	4	79	40	140	0	30
		benzo(g,h,i)perylene			3.2	ug/g	4	80	40	140	1	30
		2-fluorophenol SUR			49	%			21	100		
		phenol-D5 SUR			51	%			10	102		
		2,4,6-tribromophenol SUR			49	%			10	123		
		nitrobenzene-D5 SUR			46	%			35	114		
		2-fluorobiphenyl SUR			63	%			43	116		
		p-terphenyl-D14 SUR			70	%			33	141		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3005A6010C	BLK4318	Silver		<	0.25	ug/g						
		Arsenic		<	0.50	ug/g						
		Barium		<	2.5	ug/g						
		Cadmium		<	0.20	ug/g						
		Chromium		<	2.5	ug/g						
		Copper		<	2.5	ug/g						
		Nickel		<	2.5	ug/g						
		Lead		<	0.50	ug/g						
		Selenium		<	2.5	ug/g						
		Zinc		<	2.5	ug/g						
SW3005A6010C	DUP4318	Arsenic	21885-001	<	0.008	mg/L						20
		Copper	21885-001	<	0.05	mg/L						20
		Lead	21885-001	<	0.01	mg/L						20
		Selenium	21885-001	<	0.05	mg/L						20
		Zinc	21885-001		0.18	mg/L					1	20
SW3005A6010C	LCS4318	Silver			0.25	mg/L	0.25	101	80	120		
		Arsenic			0.48	mg/L	0.5	96	80	120		
		Barium			0.49	mg/L	0.5	98	80	120		
		Cadmium			0.50	mg/L	0.5	100	80	120		
		Chromium			0.49	mg/L	0.5	98	80	120		
		Copper			0.49	mg/L	0.5	99	80	120		
		Nickel			0.49	mg/L	0.5	98	80	120		
		Lead			0.50	mg/L	0.5	100	80	120		
		Selenium			0.46	mg/L	0.5	92	80	120		
		Zinc			0.48	mg/L	0.5	96	80	120		
SW3005A6010C	LCSD4318	Silver			0.26	mg/L	0.25	104	80	120	3	20
		Arsenic			0.48	mg/L	0.5	97	80	120	1	20
		Barium			0.51	mg/L	0.5	101	80	120	3	20
		Cadmium			0.49	mg/L	0.5	98	80	120	1	20
		Chromium			0.51	mg/L	0.5	101	80	120	3	20
		Copper			0.50	mg/L	0.5	100	80	120	1	20
		Nickel			0.51	mg/L	0.5	101	80	120	3	20
		Lead			0.50	mg/L	0.5	100	80	120	0	20
		Selenium			0.47	mg/L	0.5	95	80	120	3	20
		Zinc			0.50	mg/L	0.5	99	80	120	3	20
SW3005A6010C	MS4318	Arsenic	21885-001		0.50	mg/L	0.5	99	70	130		
		Copper	21885-001		0.53	mg/L	0.5	99	70	130		
		Lead	21885-001		0.49	mg/L	0.5	97	70	130		
		Selenium	21885-001		0.47	mg/L	0.5	94	70	130		
		Zinc	21885-001		0.66	mg/L	0.5	97	70	130		
SW3005A6010C	MS4318	Lead	21919-006		0.49	mg/L	0.5	99	70	130		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW7470A	BLK4337	Mercury		<	0.0002	mg/L						
SW7470A	LCS4337	Mercury			0.0023	mg/L	0.002	116	80	120		
SW7470A	LCSD4337	Mercury			0.0023	mg/L	0.002	115	80	120	0	20
SW7470A	MS4337	Mercury	21917-002		0.0023	mg/L	0.002	114	75	125		

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

21917

Company Name: CREDERE ASSOCIATES, LLC.
Company Address: 776 MAIN ST, WESTBROOK, ME
Report To: Jonathan Odonnell
Phone #: (207) 828-1272 EXT # 20
Invoice To: T. Patten

Project Name: POLYCLAD
Project #: 10001086
Project Location: (NH) MA ME VT Other
Protocol: RCRA SDWA NPDES MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote # ☐ NH GREE/ODD Fund Pricing
PO #

ANALYSIS REQUEST

☐ VOC 8260 NHDES ☐ VOC 8260 MADEP ☐ VOC 8260 ☒ VOC 624 ☐ VOC BTEX ☐ MIBE, only ☐ VOC 8021VT ☐ VPH MADEP ☐ MEGRO ☐ GRO 8015 ☐ VOC 524.2 ☐ VOC 524.2 NH List ☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint ☐ 8270PAH ☒ 8270ABN ☐ 625 ☐ EDB 504.1 5 VOCs ☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB ☐ O&G 1664 ☐ Mineral O&G SM5520F ☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity ☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity ☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals per Jonathan Mail ☐ Total Metals-list: LEAD ☐ Dissolved Metals-list: Arsenic, Cr, Pb (6010) ☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON ☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN ☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P ☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride ☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP ☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide Subcontract: ☐ TDC ☐ Grain Size ☐ TCLP Herbicides

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER*	Grab (G) or Composite (C)
21917-01	CA-1	2	X			X						7-5	1515	JO	G
02	CA-2	4	X			X	X					7-5	1420	JO	
03	CA-3	3	X			X	X					7-5	1530	JO	
04	MW-2	3	X			X	X					7-5	1320	JO	
05	SS-3	1		X								7-5	1200	JO	

TAT REQUESTED
Priority (24 hr)**
Expedited (48 hr)** X
Standard (10 Business Days) ☐
**Date Needed Friday 7/8

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

SPECIAL INSTRUCTIONS: BROWNFIELDS
All metals run as total - nothing was field filtered per Jonathan 7/6/11

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) jodonnell@credere llc.com
☐ HARD COPY REQUIRED ☐ FAX (FAX#) ☐ OTHER (specify)

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 3 °C

CUSTODY RECORD

	Date	Time		Date	Time
Relinquished by Sampler:	7/6/11	1040	Received by:		
Relinquished by:			Received by:	7/6/11	1040
Relinquished by:			Received by Laboratory: Way Bill#:		

38

Absolute Resource associates
124 Heritage Avenue #10 Portsmouth, NH 03801

PO Number: None

CREDERE Associates
776 Main Street
Westbrook, ME 04092

Job ID: 22020
Date Received: 7/18/11

Project: POLYCLAD 10001086

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 Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures 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.

Absolute Resource Associates 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,
Absolute Resource Associates

Cliff Chase
Partner, Technical Director

Date of Approval: 7/26/2011
Total number of pages: 3

Absolute Resource Associates Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: POLYCLAD 10001086
Job ID: 22020
Sample#: 22020-001
Sample ID: CA-2
Matrix: Water
Sampled: 7/14/11 15:39

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Arsenic	< 0.008	0.008	mg/L	1	BJS	7/20/11	4369	7/20/11	14:05	SW3005A6010C
Barium	< 0.05	0.05	mg/L	1	BJS	7/20/11	4369	7/20/11	14:05	SW3005A6010C
Cadmium	< 0.004	0.004	mg/L	1	BJS	7/20/11	4369	7/20/11	14:05	SW3005A6010C
Chromium	< 0.05	0.05	mg/L	1	BJS	7/20/11	4369	7/20/11	14:05	SW3005A6010C
Lead	< 0.008	0.008	mg/L	1	BJS	7/20/11	4369	7/20/11	14:05	SW3005A6010C
Mercury	< 0.0002	0.0002	mg/L	1	BJS	7/19/11	4364	7/20/11	11:02	SW7470A
Selenium	< 0.05	0.05	mg/L	1	BJS	7/20/11	4369	7/20/11	14:05	SW3005A6010C
Silver	< 0.007	0.007	mg/L	1	BJS	7/20/11	4369	7/20/11	14:05	SW3005A6010C

Absolute Resource associates

Absolute Resource associates
124 Heritage Avenue #10
Portsmouth, NH 03801
603-436-2001
absoluteresourceassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

22020

Company Name: CREDERE ASSOCIATES LLC
Company Address: 776 Main St., Westbrook, ME
Report To: J. O'DONNELL
Phone #: 207-272-2225
Invoice To: T. PATTEN

Project Name: POLYCLAD
Project #: 10001086
Project Location: (NH) MA ME VT Other
Protocol: RCRA SDWA NPDES / MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 / EPA DW Other
Quote # ☐ NH GREE/ODD Fund Pricing
PO #

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
2202001	CA-2	1	X				X					7/14/11	1539	JBO

ANALYSIS REQUEST

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

TAT REQUESTED
Priority (24 hr)* ☐
Expedited (48 hr)* ☒
Standard (10 Business Days) ☐
*Date Needed _____

See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS
BROWNFIELDS

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) jodonnell@credere llc.com
☐ HARD COPY REQUIRED ☐ FAX (FAX#) _____ ☐ OTHER (specify) _____

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 2 °C

CUSTODY RECORD
QSD-01 Revision 12/23/10

Relinquished by Sampler:	Date 7/18/11	Time 2	Received by:	Date 7/18/11	Time 2
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory: Way Bill#:	Date	Time

3

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
Phone: (781) 933-8411 Fax: (781) 933-8412 Email: bostonlab@emsl.com

Attn: **Jonathan O'Donnell**
Credere Associates, LLC
776 Main Street
Westbrook, ME 04092

Fax: (207) 887-1051 Phone: (204) 828-1272
Project: **10001087**

Customer ID: CRED25
Customer PO:
Received: 07/01/11 12:35 PM
EMSL Order: 131102954

EMSL Proj:
Analysis Date: 7/9/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
D-1-A *131102954-0001*	- Blue Floor Tile	Blue Non-Fibrous Homogeneous			95%	Non-fibrous (other)	**5% Chrysotile**
D-1-B *131102954-0002*	- Blue Floor Tile						**Stop Positive (Not Analyzed)**
D-1-C *131102954-0003*	- Blue Floor Tile						**Stop Positive (Not Analyzed)**
D-2-A *131102954-0004*	- White Speckled Floor Tile	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
D-2-B *131102954-0005*	- White Speckled Floor Tile	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
D-2-C *131102954-0006*	- White Speckled Floor Tile	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
D-3-A *131102954-0007*	- Gray Floor Tile	Gray Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

Initial report from 07/11/2011 12:12:20

Analyst(s)

Kevin Pine (10)

Renaldo Drakes, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
Phone: (781) 933-8411 Fax: (781) 933-8412 Email: bostonlab@emsl.com

Attn: **Jonathan O'Donnell**
Credere Associates, LLC
776 Main Street
Westbrook, ME 04092

Fax: (207) 887-1051 Phone: (204) 828-1272
Project: **10001087**

Customer ID: CRED25
Customer PO:
Received: 07/01/11 12:35 PM
EMSL Order: 131102954

EMSL Proj:
Analysis Date: 7/9/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**		**% Type**
D-3-B *131102954-0008*	- Gray Floor Tile	Gray Non-Fibrous Homogeneous		100%	Non-fibrous (other)	**None Detected**
D-3-C *131102954-0009*	- Gray Floor Tile	Gray Non-Fibrous Homogeneous		100%	Non-fibrous (other)	**None Detected**
D-4-A *131102954-0010*	- Off White Floor Tile	White Non-Fibrous Homogeneous		100%	Non-fibrous (other)	**None Detected**
D-4-B *131102954-0011*	- Off White Floor Tile	White Non-Fibrous Homogeneous		100%	Non-fibrous (other)	**None Detected**
D-4-C *131102954-0012*	- Off White Floor Tile	White Non-Fibrous Homogeneous		100%	Non-fibrous (other)	**None Detected**

Initial report from 07/11/2011 12:12:20

Analyst(s)

Kevin Pine (10)

Renaldo Drakes, Laboratory Manager
or other approved signatory

ANALYTICAL REPORT

Lab Number:	L1109811
Client:	Credere Associates, LLC 222 St. John Street Suite 314 Portland, ME 04102
ATTN:	Rick Vandenberg
Phone:	(207) 828-1272
Project Name:	POLYCLAD
Project Number:	10001087
Report Date:	07/08/11

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

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

Project Name: POLYCLAD
Project Number: 10001087

Lab Number: L1109811
Report Date: 07/08/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1109811-01	CA-SG-2	FRANKLIN, NH	06/28/11 14:30
L1109811-02	CA-SG-10	FRANKLIN, NH	06/28/11 14:40
L1109811-03	CA-SG-DUP	FRANKLIN, NH	06/28/11 14:30
L1109811-04	BLANK	FRANKLIN, NH	06/28/11 00:00

Project Name: POLYCLAD
Project Number: 10001087
Lab Number: L1109811
Report Date: 07/08/11

Case Narrative

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

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

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

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

Volatile Organics in Air

The canister certification results are provided as an addendum.

L1109811-04 The RPD of the pre- and post-flow controller calibration check (46% RPD) was outside acceptable limits (< or = 20% RPD).

L1109811-01 through -03 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L1109811-01 through -03 The presence of Propylene could not be determined in these samples due to non-target compounds interfering with the identification and quantification of this compound.

Project Name: POLYCLAD
Project Number: 10001087

Lab Number: L1109811
Report Date: 07/08/11

Case Narrative (continued)

The WG477447-3 LCS recoveries for Freon-114 (61%) and trans-1,3-Dichloropropene (68%) are outside the 70%-130% acceptance limit. The LCS was within overall method allowances, therefore the analysis proceeded.

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

Authorized Signature: Kathleen O'Brien

Title: Technical Director/Representative Date: 07/08/11

AIR

Project Name: POLYCLAD **Lab Number:** L1109811

Project Number: 10001087 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID: L1109811-01 D
Client ID: CA-SG-2
Sample Location: FRANKLIN, NH
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/07/11 23:01
Analyst: RY

Date Collected: 06/28/11 14:30
Date Received: 06/30/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	ND	5.00	--	ND	8.60	--		10
Dichlorodifluoromethane	47.6	2.00	--	235	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	3740	25.0	--	7050	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	274	10.0	--	651	23.8	--		10
Trichlorofluoromethane	4.20	2.00	--	23.6	11.2	--		10
Isopropanol	155	5.00	--	381	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Methylene chloride	16.5	10.0	--	57.3	34.7	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
Vinyl acetate	ND	2.00	--	ND	7.04	--		10
2-Butanone	10.2	2.00	--	30.1	5.90	--		10

Project Name: POLYCLAD ***Lab Number:*** L1109811

Project Number: 10001087 ***Report Date:*** 07/08/11

SAMPLE RESULTS

Lab ID: L1109811-01 D
Client ID: CA-SG-2
Sample Location: FRANKLIN, NH

Date Collected: 06/28/11 14:30
Date Received: 06/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	4.82	2.00	--	14.2	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	8.78	2.00	--	30.9	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	8.88	2.00	--	28.4	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	2.22	2.00	--	7.64	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	3.85	2.00	--	15.8	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	40.9	2.00	--	154	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10

Project Name: POLYCLAD **Lab Number:** L1109811

Project Number: 10001087 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID: L1109811-01 D Date Collected: 06/28/11 14:30

Client ID: CA-SG-2 Date Received: 06/30/11

Sample Location: FRANKLIN, NH Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Ethylbenzene	4.60	2.00	--	20.0	8.69	--		10
p/m-Xylene	15.0	4.00	--	65.2	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	4.13	2.00	--	17.9	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethybenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	2.59	2.00	--	12.7	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	95		60-140

Project Name: POLYCLAD **Lab Number:** L1109811

Project Number: 10001087 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID: L1109811-02 D
Client ID: CA-SG-10
Sample Location: FRANKLIN, NH
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/07/11 23:37
Analyst: RY

Date Collected: 06/28/11 14:40
Date Received: 06/30/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	ND	5.00	--	ND	8.60	--		10
Dichlorodifluoromethane	3.24	2.00	--	16.0	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	3060	25.0	--	5760	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	89.0	10.0	--	211	23.8	--		10
Trichlorofluoromethane	18.9	2.00	--	106	11.2	--		10
Isopropanol	120	5.00	--	295	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Methylene chloride	ND	10.0	--	ND	34.7	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
Vinyl acetate	ND	2.00	--	ND	7.04	--		10
2-Butanone	11.1	2.00	--	32.7	5.90	--		10

Project Name: POLYCLAD **Lab Number:** L1109811

Project Number: 10001087 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID: L1109811-02 D Date Collected: 06/28/11 14:40

Client ID: CA-SG-10 Date Received: 06/30/11

Sample Location: FRANKLIN, NH Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	5.57	2.00	--	16.4	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	7.17	2.00	--	25.3	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	9.38	2.00	--	30.0	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	2.24	2.00	--	7.71	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	4.67	2.00	--	19.1	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	47.0	2.00	--	177	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10

Project Name: POLYCLAD **Lab Number:** L1109811

Project Number: 10001087 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID: L1109811-02 D Date Collected: 06/28/11 14:40

Client ID: CA-SG-10 Date Received: 06/30/11

Sample Location: FRANKLIN, NH Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Ethylbenzene	3.97	2.00	--	17.2	8.69	--		10
p/m-Xylene	12.7	4.00	--	55.2	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	3.26	2.00	--	14.2	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethybenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	91		60-140

Project Name: POLYCLAD **Lab Number:** L1109811

Project Number: 10001087 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID: L1109811-03 D
Client ID: CA-SG-DUP
Sample Location: FRANKLIN, NH
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/08/11 00:14
Analyst: RY

Date Collected: 06/28/11 14:30
Date Received: 06/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	ND	5.00	--	ND	8.60	--		10
Dichlorodifluoromethane	54.1	2.00	--	268	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	4080	25.0	--	7690	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	282	10.0	--	670	23.8	--		10
Trichlorofluoromethane	4.82	2.00	--	27.1	11.2	--		10
Isopropanol	185	5.00	--	455	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Methylene chloride	ND	10.0	--	ND	34.7	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
Vinyl acetate	ND	2.00	--	ND	7.04	--		10
2-Butanone	10.3	2.00	--	30.4	5.90	--		10

Project Name: POLYCLAD ***Lab Number:*** L1109811

Project Number: 10001087 ***Report Date:*** 07/08/11

SAMPLE RESULTS

Lab ID: L1109811-03 D Date Collected: 06/28/11 14:30

Client ID: CA-SG-DUP Date Received: 06/30/11

Sample Location: FRANKLIN, NH Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	4.94	2.00	--	14.6	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	9.28	2.00	--	32.7	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	9.43	2.00	--	30.1	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	2.59	2.00	--	8.92	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	4.57	2.00	--	18.7	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	40.9	2.00	--	154	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10

Project Name: POLYCLAD **Lab Number:** L1109811

Project Number: 10001087 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID: L1109811-03 D Date Collected: 06/28/11 14:30

Client ID: CA-SG-DUP Date Received: 06/30/11

Sample Location: FRANKLIN, NH Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Ethylbenzene	3.19	2.00	--	13.8	8.69	--		10
p/m-Xylene	10.4	4.00	--	45.2	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	2.68	2.00	--	11.6	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethybenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	91		60-140

Project Name: POLYCLAD **Lab Number:** L1109811

Project Number: 10001087 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID: L1109811-04
Client ID: BLANK
Sample Location: FRANKLIN, NH
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/07/11 22:24
Analyst: RY

Date Collected: 06/28/11 00:00
Date Received: 06/30/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1

Project Name: POLYCLAD **Lab Number:** L1109811

Project Number: 10001087 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID: L1109811-04 Date Collected: 06/28/11 00:00

Client ID: BLANK Date Received: 06/30/11

Sample Location: FRANKLIN, NH Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: POLYCLAD ***Lab Number:*** L1109811

Project Number: 10001087 ***Report Date:*** 07/08/11

SAMPLE RESULTS

Lab ID: L1109811-04 Date Collected: 06/28/11 00:00

Client ID: BLANK Date Received: 06/30/11

Sample Location: FRANKLIN, NH Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	86		60-140

Project Name: POLYCLAD
Project Number: 10001087
Lab Number: L1109811
Report Date: 07/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/07/11 19:52

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-04 Batch: WG477447-4								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: POLYCLAD
Project Number: 10001087
Lab Number: L1109811
Report Date: 07/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/07/11 19:52

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-04 Batch: WG477447-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: POLYCLAD
Project Number: 10001087
Lab Number: L1109811
Report Date: 07/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/07/11 19:52

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-04 Batch: WG477447-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: POLYCLAD
Project Number: 10001087

Lab Number: L1109811
Report Date: 07/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG477447-3								
Propylene	111		-		70-130	-		
Dichlorodifluoromethane	102		-		70-130	-		
Chloromethane	98		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**61**	Q	-		70-130	-		
Vinyl chloride	101		-		70-130	-		
1,3-Butadiene	101		-		70-130	-		
Bromomethane	102		-		70-130	-		
Chloroethane	100		-		70-130	-		
Ethyl Alcohol	91		-		70-130	-		
Vinyl bromide	102		-		70-130	-		
Acetone	85		-		70-130	-		
Trichlorofluoromethane	106		-		70-130	-		
iso-Propyl Alcohol	97		-		70-130	-		
1,1-Dichloroethene	98		-		70-130	-		
Methylene chloride	90		-		70-130	-		
3-Chloropropene	88		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	105		-		70-130	-		
trans-1,2-Dichloroethene	96		-		70-130	-		
1,1-Dichloroethane	93		-		70-130	-		
Methyl tert butyl ether	85		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: POLYCLAD
Project Number: 10001087

Lab Number: L1109811
Report Date: 07/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG477447-3								
Vinyl acetate	85		-		70-130	-		
2-Butanone	90		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		
Ethyl Acetate	88		-		70-130	-		
Chloroform	100		-		70-130	-		
Tetrahydrofuran	80		-		70-130	-		
1,2-Dichloroethane	95		-		70-130	-		
n-Hexane	81		-		70-130	-		
1,1,1-Trichloroethane	94		-		70-130	-		
Benzene	90		-		70-130	-		
Carbon tetrachloride	92		-		70-130	-		
Cyclohexane	84		-		70-130	-		
1,2-Dichloropropane	80		-		70-130	-		
Bromodichloromethane	81		-		70-130	-		
1,4-Dioxane	86		-		70-130	-		
Trichloroethene	90		-		70-130	-		
2,2,4-Trimethylpentane	82		-		70-130	-		
Heptane	82		-		70-130	-		
cis-1,3-Dichloropropene	83		-		70-130	-		
4-Methyl-2-pentanone	85		-		70-130	-		
trans-1,3-Dichloropropene	**68**	Q	-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: POLYCLAD
Project Number: 10001087

Lab Number: L1109811
Report Date: 07/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG477447-3								
1,1,2-Trichloroethane	83		-		70-130	-		
Toluene	88		-		70-130	-		
2-Hexanone	100		-		70-130	-		
Dibromochloromethane	93		-		70-130	-		
1,2-Dibromoethane	96		-		70-130	-		
Tetrachloroethene	100		-		70-130	-		
Chlorobenzene	93		-		70-130	-		
Ethylbenzene	87		-		70-130	-		
p/m-Xylene	87		-		70-130	-		
Bromoform	90		-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	94		-		70-130	-		
o-Xylene	89		-		70-130	-		
4-Ethyltoluene	92		-		70-130	-		
1,3,5-Trimethylbenzene	94		-		70-130	-		
1,2,4-Trimethylbenzene	102		-		70-130	-		
Benzyl chloride	85		-		70-130	-		
1,3-Dichlorobenzene	98		-		70-130	-		
1,4-Dichlorobenzene	99		-		70-130	-		
1,2-Dichlorobenzene	102		-		70-130	-		
1,2,4-Trichlorobenzene	124		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: POLYCLAD
Project Number: 10001087

Lab Number: L1109811
Report Date: 07/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG477447-3								
Hexachlorobutadiene	103		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: POLYCLAD
Project Number: 10001087

Lab Number: L1109811
Report Date: 07/08/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG477447-5 QC Sample: L1109857-03 Client ID: DUP Sample						
Propylene	44.3	44.5	ppbV	0		25
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	1.09	1.09	ppbV	0		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	1.42	1.16	ppbV	20		25
Vinyl chloride	1.52	1.48	ppbV	3		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	14.7	14.3	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	119	121	ppbV	2		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
iso-Propyl Alcohol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	1.28	1.38	ppbV	8		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: POLYCLAD
Project Number: 10001087

Lab Number: L1109811
Report Date: 07/08/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG477447-5 QC Sample: L1109857-03 Client ID: DUP Sample					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	11.2	11.2	ppbV	0	25
cis-1,2-Dichloroethene	1.66	1.66	ppbV	0	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	29.8	29.9	ppbV	0	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	4.30	4.48	ppbV	4	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	13.9	14.4	ppbV	4	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	42.9	43.5	ppbV	1	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: POLYCLAD
Project Number: 10001087

Lab Number: L1109811
Report Date: 07/08/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG477447-5 QC Sample: L1109857-03 Client ID: DUP Sample					
Heptane	8.78	8.87	ppbV	1	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	2.54	2.49	ppbV	2	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: POLYCLAD
Project Number: 10001087

Lab Number: L1109811
Report Date: 07/08/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG477447-5 QC Sample: L1109857-03 Client ID: DUP Sample					
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: POLYCLAD **Lab Number:** L1109811

Project Number: 10001087 **Report Date:** 07/08/11

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1109811-01	CA-SG-2	0458	#30 SV		-	-	34	34	0
L1109811-01	CA-SG-2	469	2.7L Can	L1107923	-29.4	-4.2	-	-	-
L1109811-02	CA-SG-10	0412	#90 SV		-	-	36	39	8
L1109811-02	CA-SG-10	524	2.7L Can	L1107923	-29.4	-1.6	-	-	-
L1109811-03	CA-SG-DUP	0141	#16 AMB		-	-	33	33	0
L1109811-03	CA-SG-DUP	530	2.7L Can	L1107923	-29.4	-4.0	-	-	-
L1109811-04	BLANK	0293	#90 SV		-	-	32	20	46
L1109811-04	BLANK	554	2.7L Can	L1107923	-29.2	-29.2	-	-	-

Air Volatiles Can Certification

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1107923

Project Number: CANISTER QC BAT ***Report Date:*** 07/08/11

Air Canister Certification Results

Lab ID: L1107923-01
Client ID: CAN 131 SHELF 2
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/15/11 16:38
Analyst: RY

Date Collected: 06/03/11 00:00
Date Received: 06/03/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1107923

Project Number: CANISTER QC BAT ***Report Date:*** 07/08/11

Air Canister Certification Results

Lab ID: L1107923-01 Date Collected: 06/03/11 00:00

Client ID: CAN 131 SHELF 2 Date Received: 06/03/11

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1107923

Project Number: CANISTER QC BAT ***Report Date:*** 07/08/11

Air Canister Certification Results

Lab ID: L1107923-01 Date Collected: 06/03/11 00:00

Client ID: CAN 131 SHELF 2 Date Received: 06/03/11

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1107923
Report Date: 07/08/11

Air Canister Certification Results

Lab ID: L1107923-01
Client ID: CAN 131 SHELF 2
Sample Location:
Date Collected: 06/03/11 00:00
Date Received: 06/03/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1107923

Project Number: CANISTER QC BAT ***Report Date:*** 07/08/11

Air Canister Certification Results

Lab ID: L1107923-01 Date Collected: 06/03/11 00:00

Client ID: CAN 131 SHELF 2 Date Received: 06/03/11

Sample Location: Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1107923

Project Number: CANISTER QC BAT ***Report Date:*** 07/08/11

Air Canister Certification Results

Lab ID: L1107923-01
Client ID: CAN 131 SHELF 2
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/15/11 16:38
Analyst: RY

Date Collected: 06/03/11 00:00
Date Received: 06/03/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1107923

Project Number: CANISTER QC BAT ***Report Date:*** 07/08/11

Air Canister Certification Results

Lab ID: L1107923-01 Date Collected: 06/03/11 00:00

Client ID: CAN 131 SHELF 2 Date Received: 06/03/11

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1107923
Report Date: 07/08/11

Air Canister Certification Results

Lab ID: L1107923-01
Client ID: CAN 131 SHELF 2
Sample Location:
Date Collected: 06/03/11 00:00
Date Received: 06/03/11
Field Prep: Not Specified

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

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1107923

Project Number: CANISTER QC BAT ***Report Date:*** 07/08/11

Air Canister Certification Results

Lab ID: L1107923-01 Date Collected: 06/03/11 00:00

Client ID: CAN 131 SHELF 2 Date Received: 06/03/11

Sample Location: Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	96		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1107923

Project Number: CANISTER QC BAT **Report Date:** 07/08/11

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1107923-01	Date Collected:	06/03/11 00:00
Client ID:	CAN 131 SHELF 2	Date Received:	06/03/11
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	06/10/11 19:04		
Analyst:	RY		

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

Project Name: POLYCLAD
Project Number: 10001087

Lab Number: L1109811
Report Date: 07/08/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information	Custody Seal
Cooler	
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1109811-01A	Canister - 2.7 Liter	NA	NA	NA	NA	Present/Intact	TO15-LL(30)
L1109811-02A	Canister - 2.7 Liter	NA	NA	NA	NA	Present/Intact	TO15-LL(30)
L1109811-03A	Canister - 2.7 Liter	NA	NA	NA	NA	Present/Intact	TO15-LL(30)
L1109811-04A	Canister - 2.7 Liter	NA	NA	NA	NA	Present/Intact	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	POLYCLAD	**Lab Number:**	L1109811
Project Number:	10001087	**Report Date:**	07/08/11

GLOSSARY

Acronyms

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

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

Report Format: Data Usability Report

Project Name:	POLYCLAD	**Lab Number:**	L1109811
Project Number:	10001087	**Report Date:**	07/08/11

Data Qualifiers

than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised March 23, 2011 – Mansfield Facility

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

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

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

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

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

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

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

Air & Emissions (EPA TO-15.)

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

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C.)

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

Air & Emissions (EPA TO-15.)

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

Non-Potable Water (Inorganic Parameters: EPA, 245.1, 245.7, 1631E, 180.1, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081, 8082, 8260B, 8270C.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7470A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082, 8081A.)

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

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, SM2320B, EPA 200.8, SM2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 7470A, 9040B, 6020, 9010B, 9014 Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640C, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

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

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

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 9014, 9040B, 120.1, SM2510B, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

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

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

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

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

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 2510B, EPA 120.1, 180.1, 1631E, 245.7.)

Solid & Chemical Materials (Inorganic Parameters: EPA 9040, 9060, 6020, 7470, 7471, 7474. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270, 8260.)

U.S. Army Corps of Engineers

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

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015-DRO.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1109811

Serial_No:07081115:31

Client Information

Client: CREDERE
Address: 776 MAIN ST
WESTBROOK ME 04092
Phone: 207-828-1272
Fax: 207-887-1051
Email: RVANDENBERG@CREDERELLC.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: POLYCLAD
Project Location: FRANKLIN, NH
Project #: 10001087
Project Manager: RICK VANDENBERG
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
1109811-01	CA-SG-2	6/28/11	1256	1430	-29.4	-4.22	SV	JRN	2.7	469	0458		X						PID = 8 ppm
-02	CA-SG-10	↓	1300	1440	-29.4	-1.59	SV		↓	524	0412		X						PID = 4 ppm
-03	CA-SG-DUP	↓	1256	1430	-29.4	-3.94	SV		↓	530	0141		X						PID = 8 ppm
-04	BLANK				-29.2	-29.2													

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
UPS	6/29/11 9:00	UPS	
	6/30/11 13:35		6/30/11 13:35

Form No: 101-02 (19-Jun-09)